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HARVARD MEDICAL SCHOOL

AND

SCHOOL OF DENTAL MEDICINE

25 SHATTUCK STREET
BOSTON • MASSACHUSETTS



1955-1956

OFFICIAL REGISTER OF HARVARD UNIVERSITY

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HARVARD MEDICAL SCHOOL

AND

SCHOOL OF DENTAL MEDICINE

25 SHATTUCK STREET
BOSTON • MASSACHUSETTS

WITH AN ANNOUNCEMENT FOR 1956-1957



1955-1956

PUBLISHED BY HARVARD UNIVERSITY
CAMBRIDGE, MASSACHUSETTS

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HARVARD MEDICAL SCHOOL

AND

SCHOOL OF DENTAL MEDICINE

CALENDAR

Academic Calendar for 1955-1956

<i>Monday</i>	<i>June 6</i>	Summer courses begin for fourth year class.
<i>Monday</i>	<i>July 4</i>	Independence Day: a holiday.
<i>Monday</i>	<i>September 5</i>	Labor Day: a holiday.
<i>Friday</i>	<i>September 23</i>	Registration of Class of 1959.
<i>Monday</i>	<i>September 26</i>	Registration of second and third year classes. <i>Academic Year</i> begins for first, second and third year classes.
<i>Friday</i>	<i>September 30</i>	Registration of fourth year class.
<i>Saturday</i>	<i>October 1</i>	<i>Academic Year</i> begins for fourth year class.
<i>Wednesday</i>	<i>October 12</i>	Columbus Day: a holiday.
<i>Friday</i>	<i>November 11</i>	Veterans' Day: a holiday.
<i>Thursday</i>	<i>November 24</i>	Thanksgiving Day: a holiday.
<i>Monday</i>	<i>December 12</i>	<i>Second Trimester</i> begins for third year class.
<i>December 22, 1955- January 2, 1956</i>		RECESS for first and second year classes.
<i>December 23, 1955- January 2, 1956</i>		RECESS for third year class.
<i>Monday</i>	<i>January 30</i>	<i>Second half year</i> begins for first and second year classes.
<i>Wednesday</i>	<i>February 22</i>	Washington's Birthday: a holiday.
<i>Wednesday</i>	<i>March 7</i>	<i>Third Trimester</i> begins for third year class.
<i>Monday</i>	<i>April 2</i>	Last day for filing application for the degree of M.D. in June 1956.
<i>April 1-8</i>		RECESS for third year class.
<i>April 15-22</i>		RECESS for first and second year classes.
<i>Monday</i>	<i>April 16</i>	Last day for filing application for scholarships for 1956-57.
<i>Friday</i>	<i>April 19</i>	Patriot's Day: a holiday.
<i>Thursday</i>	<i>May 30</i>	Memorial Day: a holiday.
<i>Wednesday</i>	<i>May 31</i>	Alumni Day.
<i>Thursday</i>	<i>June 1</i>	Class Day.
<i>May 28-June 2</i>		Examination Period.
<i>Thursday</i>	<i>June 14</i>	Commencement.

Summer Vacation from June 3 through September 24, 1956.

Academic Calendar for 1956-1957

<i>Monday</i>	<i>June 4</i>	Summer courses begin for fourth year class.
<i>Wednesday</i>	<i>July 4</i>	Independence Day: a holiday.
<i>Monday</i>	<i>September 3</i>	Labor Day: a holiday.
<i>Friday</i>	<i>September 21</i>	Registration Day for first, second and third year classes.
<i>Monday</i>	<i>September 24</i>	ACADEMIC YEAR begins for first, second and third year classes.
<i>Friday</i>	<i>September 28</i>	Registration of fourth year class.
<i>Monday</i>	<i>October 1</i>	ACADEMIC YEAR begins for fourth year class.
<i>Friday</i>	<i>October 12</i>	Columbus Day: a holiday.
<i>Monday</i>	<i>November 12</i>	Veteran's Day: a holiday.
<i>Thursday</i>	<i>November 22</i>	Thanksgiving Day: a holiday.
<i>Monday</i>	<i>December 10</i>	SECOND TRIMESTER begins for third year class.
<i>December 22, 1956-</i> <i>January 2, 1957</i>		RECESS for first, second and third year classes.
<i>Monday</i>	<i>January 28</i>	SECOND HALF YEAR begins for first and second year classes.
<i>Friday</i>	<i>February 22</i>	Washington's Birthday: a holiday.
<i>Wednesday</i>	<i>March 6</i>	THIRD TRIMESTER begins for third year class.
<i>March 31-April 7</i>		RECESS for third year class.
<i>Monday</i>	<i>April 1</i>	Last day for filing application for the degree of M.D. in June 1957.
		Last day for Class of 1961 to file applications for scholarships for 1957-58.
<i>April 14-21</i>		RECESS for first and second year classes.
<i>Friday</i>	<i>April 19</i>	Patriot's Day: a holiday.
<i>Monday</i>	<i>April 22</i>	Last day for upper classmen to file applications for scholarships for 1957-58.
<i>May 27-June 1</i>		Examination Period for first and third year classes.
		Reading Period for second year class—Comprehensive Examination the following week.
<i>Thursday</i>	<i>May 30</i>	Memorial Day: a holiday, also ALUMNI DAY.
<i>Friday</i>	<i>May 31</i>	Class Day for the Class of 1957.
<i>Thursday</i>	<i>June 13</i>	Commencement.

Summer Vacation from June 2 through September 19, 1957.

THE PRESIDENT AND FELLOWS OF
HARVARD COLLEGE

This Board is commonly known as the CORPORATION

PRESIDENT

NATHAN MARSH PUSEY, A.B., Ph.D., LL.D., L.H.D.

FELLOWS

CHARLES ALLERTON COOLIDGE, A.B., LL.B.
WILLIAM LUKE MARBURY, A.B., LL.B.
RICHMOND KEITH KANE, A.B., LL.B.
THOMAS STILWELL LAMONT, A.B.
FRANCIS HARDON BURR, A.B., LL.B.

TREASURER

PAUL CODMAN CABOT, A.B., M.B.A.

SECRETARY TO THE CORPORATION

DAVID WASHBURN BAILEY, A.B.

THE BOARD OF OVERSEERS

The PRESIDENT and the TREASURER of the University, *ex officio*, and the following persons by election: —

1956 *

HARRISON TWEED, A.B., LL.B., LL.D.
CHRISTIAN ARCHIBALD HERTER, A.B., LL.D., DR.P.A. (hon.)
ROBERT CUTLER, A.B., LL.B., LL.D., L.H.D.
WILLIAM LINDSEY WHITE, A.B.
NEIL HOSLER McELROY, A.B., LL.D.

1957

ARTHUR WILSON PAGE, A.B., LL.D.
ELLIOTT DUNLAP SMITH, A.B., LL.B., A.M. (hon.), L.H.D.
MARION BAYARD FOLSOM, A.B., M.B.A., LL.D., D.C.S. (hon.)
CHARLES EDWARD WYZANSKI, JR., A.B., LL.B., LL.D.
JOSEPH WRIGHT ALSOP, JR., A.B.

1958

RALPH LOWELL, A.B., L.H.D., LL.D.
FREDERICK COOLIDGE CRAWFORD, A.B., M.C.E., DR.ENGIN. (hon.),
LL.D., S.D. (hon.)
LAWRENCE TERRY
CHARLES EUSTIS BOHLEN, A.B.
CLARENCE DOUGLAS DILLON, A.B.

1959

DEXTER PERKINS, A.B., PH.D., A.M. (hon.), LL.D., LITT.D.
THOMAS DUDLEY CABOT, A.B., L.H.D., LL.D.
ROY EDWARD LARSEN, A.B., L.H.D., LL.D.
JOSEPH SILL CLARK, JR., S.B., LL.B., LL.D.
JOHN WHITE HALLOWELL, A.B., M.B.A.

1960

GEORGE GUND, A.B., L.H.D.
JOHN PHILLIPS MARQUAND, A.B., LITT.D., L.H.D.
HENRY BROMFIELD CABOT, A.B., LL.B.
MEYER KESTNBAUM, S.B., M.B.A.
DAVID ROCKEFELLER, S.B., PH.D.

* The term expires, in each case, on Commencement Day of the year indicated.

1961

CLARENCE COOK LITTLE, A.B., S.M.Zool., S.D., LL.D., LITT.D.,
S.D. (hon.)
MALCOLM ENDICOTT PEABODY, A.B., B.D.
ARTHUR AMORY HOUGHTON, JR., L.H.D., LL.D., LITT.D.
HENRY BRADFORD WASHBURN, JR., A.B., PH.D., (hon.)
COURTNEY CRAIG SMITH, A.B., A.M., PH.D.

SECRETARY OF THE BOARD OF OVERSEERS

DAVID WASHBURN BAILEY, A.B. 25 Massachusetts Hall, Cambridge

ASSISTANT SECRETARY OF THE BOARD OF OVERSEERS

JAMES ROBBINS REYNOLDS, A.B. 28 Massachusetts Hall, Cambridge

COMMITTEE TO VISIT THE MEDICAL SCHOOL
AND THE SCHOOL OF DENTAL MEDICINE

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PHILLIPS KETCHUM, *Vice-Chairman*

PAUL B. BEESON

EDWARD L. BORTZ

FRANCIS BOYER

PAUL F. CLARK

SAM L. CLARK

J. WELLS FARLEY

HAROLD C. HODGE

PARKMAN D. HOWE

A. LEE LOOMIS, JR.

HENRY H. MEYER

ROLAND E. MORSE

RUSSELL H. PATTERSON

JOHN R. QUARLES

SIDNEY R. RABB

HAROLD S. VANDERBILT

JOSEPH T. WEARN

GEORGE WHITNEY

WILLIAM E. WOOD

**ADMINISTRATIVE OFFICERS OF THE MEDICAL SCHOOL
AND SCHOOL OF DENTAL MEDICINE**

President: NATHAN MARSH PUSEY, A.B., PH.D., LL.D., L.H.D.

Office, 1 Massachusetts Hall, Cambridge.

Dean: GEORGE PACKER BERRY, M.D., LL.D., S.D. (hon.), LITT.D., L.H.D.

Dean of the School of Dental Medicine: ROY ORVAL GREEP, S.M., PH.D.

Assistant Dean: KENDALL EMERSON, JR., M.D.

Assistant Dean in Charge of Courses for Graduates: EUGENE CHARLES
EPPINGER, M.D.

Assistant Dean: HENRY COE MEADOW, S.B.

Associate Dean of the School of Dental Medicine: REIDAR FAUSKE SOGNAES,
D.M.D.

Assistant to the Dean: WILLIAM F. KETCHUM, M.D.

Financial Consultant to the Dean: CHARLES WHITE GREENOUGH, A.B.

*Chairman of the Division of Medical Sciences of the Faculty of Arts and
Sciences:* ERIC G. BALL, PH.D., S.D. (hon.).

Director of the Health and Medical Care Program for Students: DONALD A.
TUCKER, M.D.

Consultant: GEORGE A. NICHOLS, JR., M.D.

Office hours, daily, except Saturday afternoons, Sundays, and holidays,

8:30-9:45 a.m. and 1:00-2:00 p.m., Peter Bent Brigham Hospital.

Telephone: Beacon 2-8000.

Registrar: DOROTHY A. MURPHY.

Alumni Director: THOMAS H. LANMAN, M.D.

The Offices of Administration of the Medical School are located in the Administration Building.

The Bursar's Office is in Lehman Hall, Cambridge. It is open on all business days from 9 a.m. to 5 p.m., except Saturdays, for the receipt of fees, payments, and other financial business.

ADMINISTRATIVE BOARD OF THE FACULTY OF MEDICINE

PRESIDENT: NATHAN M. PUSEY, A.B., Ph.D., LL.D., L.H.D. (*ex officio*).

DEAN: GEORGE P. BERRY, M.D., LL.D., S.D. (hon.), LITT.D., L.H.D.
(*ex officio*) *Chairman.*

ROY O. GREEP, S.M., PH.D., *Dean of the School of Dental Medicine*
(*ex officio*).

KENDALL EMERSON, JR., M.D., *Assistant Dean and Assistant Clinical
Professor of Medicine (ex officio).*

- EUGENE C. EPPINGER, M.D., *Assistant Dean and Assistant Clinical Professor of Medicine (ex officio)*.
- HENRY C. MEADOW, S.B., *Assistant Dean of the Faculty of Medicine and Executive Secretary to the Committee on Research and Development for Medicine and Health (ex officio)*.
- REIDAR F. SOGNAES, D.M.D., *Associate Dean of the School of Dental Medicine and Charles A. Brackett Professor of Oral Pathology (ex officio)*.
- RAYMOND D. ADAMS, M.D., *Bullard Professor of Neuropathology*.
- BENJAMIN ALEXANDER, M.D., *Associate Professor of Medicine at the Beth Israel Hospital*.
- WILLIAM B. CASTLE, M.D., S.M. (hon.), S.D. (hon.), *Professor of Medicine*.
- OLIVER COPE, M.D., DR. (hon.), *Associate Professor of Surgery*.
- GUSTAVE J. DAMMIN, M.D., A.M. (hon.), *Professor of Pathology at the Peter Bent Brigham Hospital*.
- ARTHUR T. HERTIG, M.D., *Shattuck Professor of Pathological Anatomy*.
- CHARLES A. JANEWAY, M.D., *Thomas Morgan Rotch Professor of Pediatrics*.
- EUGENE M. LANDIS, M.D., Ph.D., *George Higginson Professor of Physiology*.
- ERICH LINDEMANN, Ph.D., M.D., *Professor of Psychiatry*.
- GEORGE V. SMITH, M.D., *W. H. Baker Professor of Gynecology*.
- CLAUDE A. VILLEE, JR., Ph.D., *Assistant Professor of Biological Chemistry*.
- DAVID WEISBERGER, D.M.D., M.D., *Professor of Dental Medicine*.
- GEORGE B. WISLOCKI, M.D., S.D. (hon.), *Hersey Professor of Anatomy and James Stillman Professor of Comparative Anatomy*.
- GEORGE NICHOLS, JR., M.D., *Consultant, Health and Medical Care Program for Students and Associate in Medicine (ex officio)*.

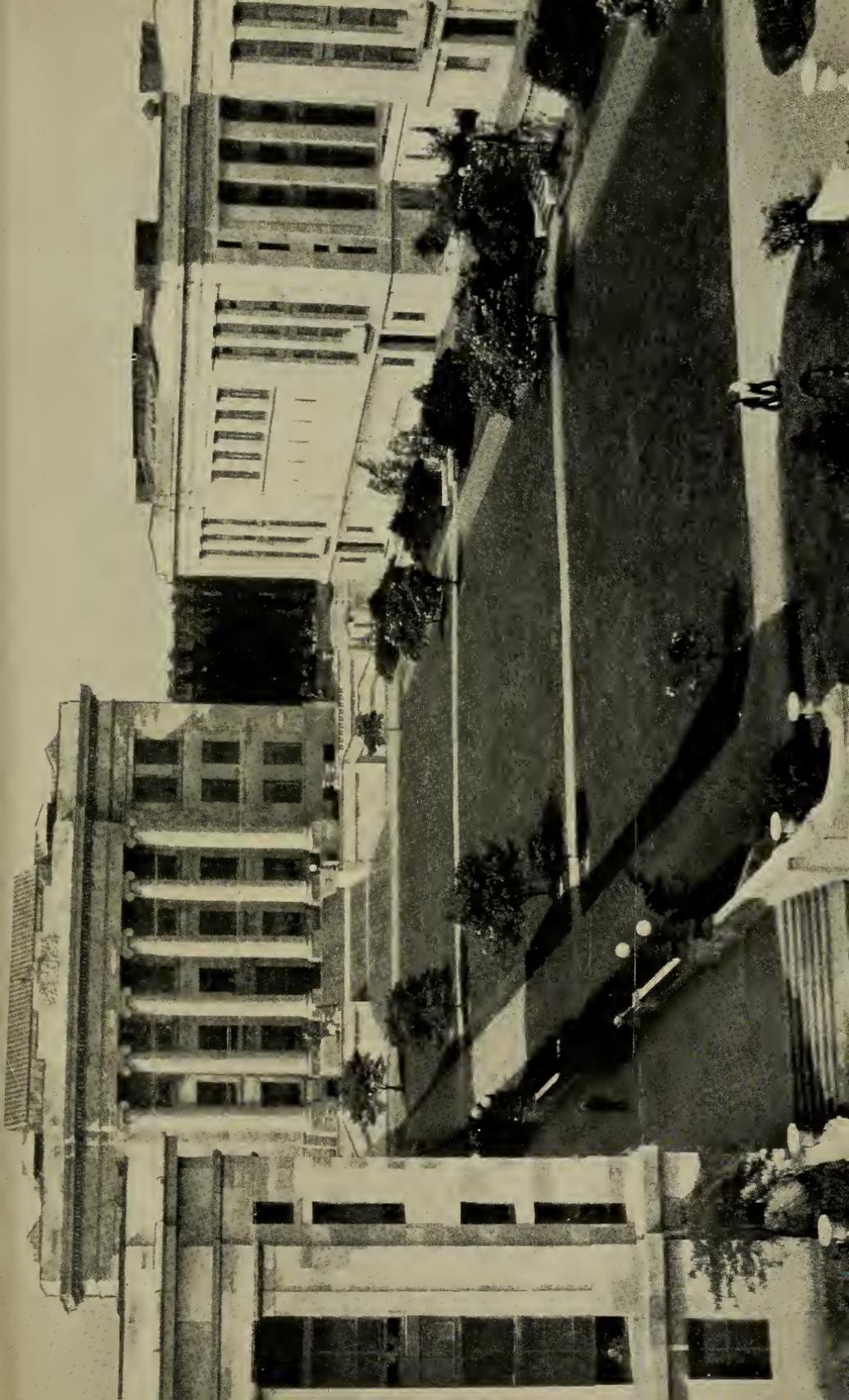
HARVARD MEDICAL SCHOOL BOSTON

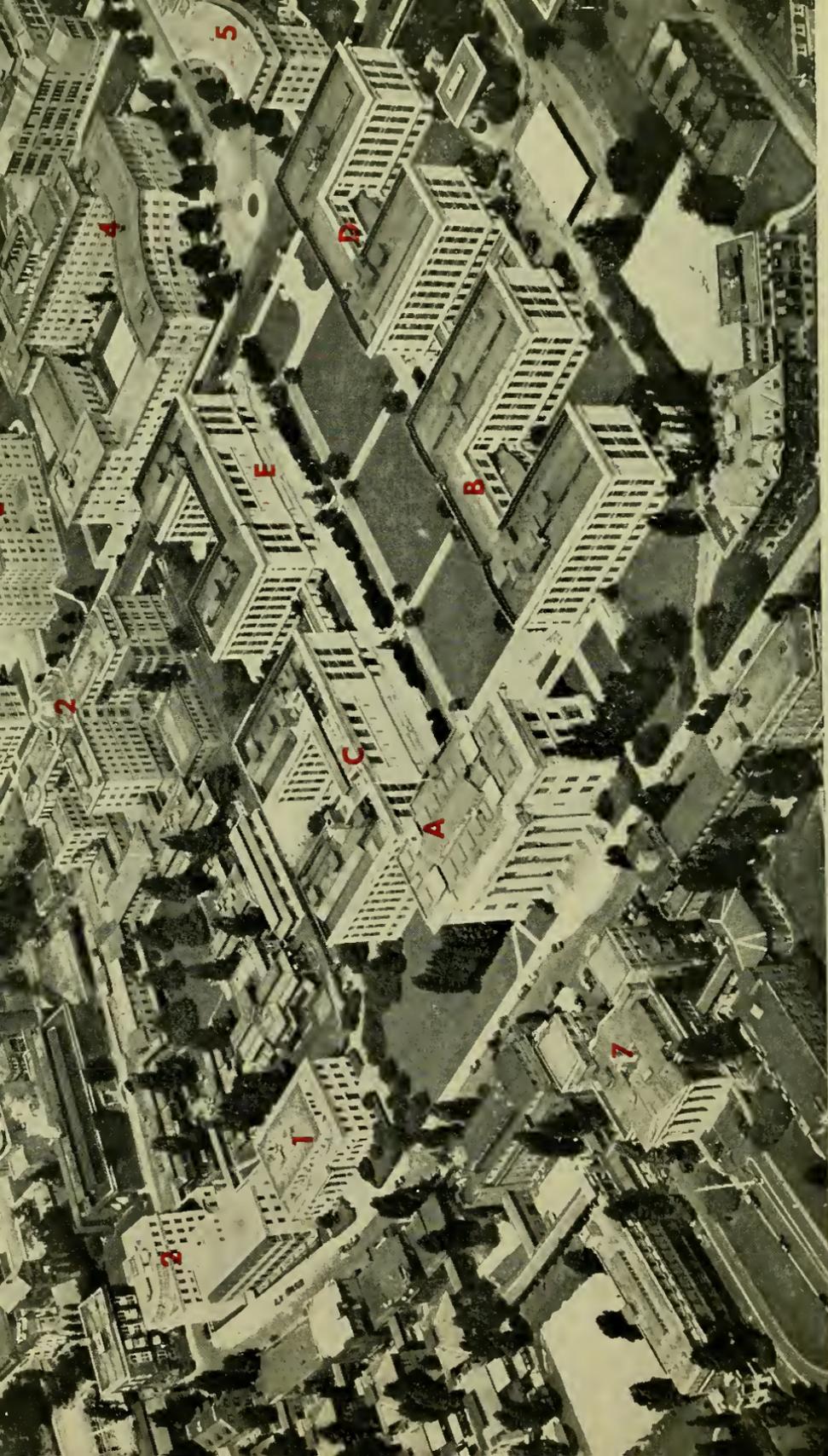
HISTORY AND ORGANIZATION

The Harvard Medical School started as a branch of the University in 1782, when three professorships of medicine were established. The first degrees, Bachelor of Medicine, were conferred in 1788. Until 1811 the degrees of Bachelor of Medicine and Doctor of Medicine were conferred, the former on graduation from the Medical School, the latter on examination at least seven years after graduation. In 1811 the degree of Doctor of Medicine was granted to graduates of that year and to earlier graduates who had not been admitted to it, and all graduates since 1811 have received this degree. From 1911 to 1921, inclusive, the degree of Doctor of Public Health was conferred for graduate work.

When the Medical School opened, the first lectures were given in the buildings of the College, Harvard Hall and Holden Chapel. The School moved to Boston in 1810, in order to be close to whatever hospital facilities might develop in a large and growing city, and has remained there since. In 1816 the first Medical School building was erected. From 1882 until 1906 the School occupied the building at the corner of Boylston and Exeter Streets now used by Boston University. In September 1906, the School moved into its present buildings on Longwood Avenue and Shattuck Street. They are five in number and with their surrounding grounds occupy eleven acres. One of these is designed for administration and four for housing the laboratory departments, and for laboratory and clinical instruction.

Previous to 1906, the major part of the clinical teaching was carried on in the Massachusetts General and Boston City Hospitals. Since that date, however, there has grown up in the neighborhood of the Medical School, and become affiliated with it, a group of hospitals which are used for clinical teaching and investigation, in addition to the clinical facilities previously at the School's disposal. Clinical advantages from the student viewpoint are not a matter of large hospitals only, but rather are related to the number of patients in these hospitals who are under the care of instructors on the staff of the Medical School and available for teaching purposes. Harvard Medical School students are offered an unrivaled opportunity to secure a well-organized clinical experience and knowledge of disease. Each student comes into intimate contact, under supervision, with patients in these hospitals, beginning in the second half of the second year and increasing until the fourth year, when the students serve as clinical clerks and give their whole time to the study of patients.





A, B, C, D, E. Harvard Medical School buildings. 1. Harvard School of Public Health. 2. Children's Hospital. 3. Beth Israel Hospital. 4. Vanderbilt Hall. 5. Boston Lying-in Hospital. 6. Harvard School of Dental Medicine. 7. Peter Bent Brigham Hospital.

BUILDINGS

The Administration Building (A), with over 40,000 square feet of floor space, contains the Faculty Room, the Deans' Offices of the Medical School and School of Dental Medicine, the Alumni Office, the Courses for Graduates Office, the joint library of the Medical School and the School of Public Health, Women Students Club Room, and the Warren Museum.

The laboratory buildings, designated by the letters B, C, D, and E, are all constructed on the same general plan. Each consists of two parallel wings united at the front by an amphitheatre with a seating capacity of two hundred and fifty. Both the smaller rooms and the laboratories are designed on a unit system which greatly simplifies the changes required in making these suited to the needs of departments whose methods of teaching have changed since the rooms were originally designed.

The amount of floor space varies considerably in each of the four buildings, but the design is such that this variation is not apparent from the main quadrangle.

Building B accommodates the Department of Anatomy, Histology, and Embryology. The wings each have three floors and a total floor space of over 52,000 square feet.

Building C provides space for the Departments of Physiology, Biochemistry, and Experimental Surgery. In this building each wing has four floors and a total floor space of 62,000 square feet.

Building D is occupied by the Departments of Bacteriology, Biophysics, Pathology, Preventive Medicine, the Division of Medical Sciences, and also laboratories of the Department of Medicine. In this building there are five floors in one wing and three floors in the other, with a total floor space of over 48,000 square feet. There are animal houses between Buildings B and D and between Buildings C and E.

Building E houses Pharmacology, Legal Medicine, and Tropical Public Health. There are three floors in one wing and four floors in the other, with a floor space of 35,000 square feet.

The clinical departments are housed in the various hospitals associated with the School. Vanderbilt Hall (4), the dormitory for male medical students, is immediately adjacent to the Medical School buildings.

HOSPITAL FACILITIES

The Massachusetts General Hospital. — This is a general hospital founded in 1811 and ever since associated with the Medical School. There are services in medicine, surgery, pediatrics, dermatology, genito-urinary diseases, orthopedics, gynecology, neurology, neurosurgery, anaesthesia and psychiatry, all of which are used in giving instruction in these special depart-

ments of medicine. The hospital has 889 beds, 451 of them being available for teaching purposes. In the General Hospital, 10,521 patients were admitted in 1954. Large clinics are also used for instruction in the above clinical subjects. Clinic visits numbered 181,774 last year, of which 15,226 were first visits of new patients. 21,216 patients were treated in the emergency ward. Laboratories for pathology, bacteriology, chemistry, metabolism, medical and surgical research, and X-ray are maintained, and there is an excellent medical library, all of which are open to students in the Medical School.

In 1942 arrangements were made with the Vincent Memorial Hospital and the Hall-Mercer Hospital to care for their patients in the Massachusetts General Hospital.

In 1943 the Collis P. Huntington Hospital and its associated laboratories of the Harvard Cancer Commission were transferred from their former location adjacent to the Medical School to the buildings of the Massachusetts General Hospital.

The Massachusetts Eye and Ear Infirmary. — This hospital has out-patient clinics and 190 beds, both ward and private, most of which are available for instruction in diseases and conditions of the eye, ear, nose and throat. The two Chiefs of Service are Professors of the Faculty of the Medical School. The out-patient clinics serve ambulatory medical and surgical patients and during the past year recorded 64,347 clinic visits. Of the 7,067 patients admitted to the hospital 6,620 or 94 per cent came for surgery. The hospital has X-ray, bacteriology and pathology departments, and the Howe Laboratory of Ophthalmology is located within its walls.

The Boston City Hospital. — This hospital with all its divisions contains 2,442 beds, including 154 bassinets for newborn and 196 cribs for children. Of these beds 1,382 are in the main hospital. Over 300 are available to the teaching units of the Medical School. The Second and Fourth Medical Services, The Fifth Surgical Service, and the Neurological, Neurosurgical, and Radiological Services are under the direction of Professors of the Harvard Medical School, and in addition there are other specialties open to our students. In the Out-Patient Department and Accident Floor 84,512 patients applied for diagnosis and treatment during the year 1954.

The Thorndike Memorial Laboratory, established in 1923 for medical research, includes a metabolism ward and is an integral part of the Harvard Medical Unit. The Sears Surgical Laboratory, established in 1955 as part of the Harvard Surgical Unit, is associated with the Fifth Surgical Service under the direction of the Professor of Surgery who is Head of that Service. It will provide a modern amphitheatre, conference rooms, animal quarters, library, and laboratories for surgical research. The Departments of Neurology and Neurosurgery also maintain active research laboratories. In addition there are well-equipped service laboratories for pathology, chem-

istry, metabolism, and immunology. Four amphitheatres and various conference rooms are used in student instruction. The hospital maintains an admirable general working library and two special libraries.

The Peter Bent Brigham Hospital.—This hospital has been closely associated with the Medical School since its dedication in 1913. It is for general medical and surgical cases, and is situated on grounds adjacent to the Medical School buildings. The chiefs of services are Professors of the Faculty of the Medical School. There are 280 beds, all of which are used for teaching purposes. During the past year, 5,843 patients were admitted. There is also maintained an out-patient service for ambulatory medical and surgical patients. The total number of visits was 51,668. There are well-equipped medical, surgical, and pathological laboratories. The hospital, by special arrangement, makes use of the library of the Medical School.

The Beth Israel Hospital.—This is a general hospital with a capacity of 454 beds (including 30 pediatric, 72 obstetrical, and 88 bassinets), of these beds 150 are constantly available for teaching. Since 1928 this institution has been located on Brookline Avenue around the corner from the Harvard Medical School and has a close working relationship with it. The hospital is equipped for teaching and research in medicine, surgery, pathology, pediatrics, psychiatry and radiology, each under the direction of one or more full-time physicians who are associated with the Faculty of the Harvard Medical School. There are also electrocardiograph, electroencephalograph, chemistry and metabolism laboratories, animal research equipment, and an extensive X-ray department with facilities for X-ray therapy, and a department of physical medicine and rehabilitation. During the past year 10,941 patients were admitted to the hospital and there were 2,406 deliveries. There is an active out-patient department to which there were 60,333 visits made during this period. There is also a Home Care Program in operation which serves chronically ill patients who can be effectively cared for at home rather than in the hospital.

The Children's Medical Center.—An affiliation of several voluntary institutions concerned with the care of the younger age group. These are as follows:

The Children's Hospital.—Located on Longwood Avenue adjacent to the Medical School. A general hospital for care of the younger age group. Maintains medical, surgical, neurosurgical, orthopedic, dental, radiologic, psychiatric, and pathologic services with their associated specialties. Special clinical facilities are provided for adolescents. There are 250 beds, of which 186 are available for teaching. During the year 1954 it rendered 66,382 days

of care to 8,262 admissions. Full laboratory and diagnostic services are provided for the study of material from the house and out-patient services.

The Sharon Sanatorium.—This organization sponsors the Sharon Cardiovascular Unit composed of 24 beds devoted to the care of non-rheumatic cardiovascular disorders including congenital heart disease. It is included in Children's Hospital as described above.

The Infants' Hospital.—Thomas Morgan Rotch, Jr. Memorial Hospital for Infants.—This hospital has operated for many years in close conjunction with the Children's Hospital. There are 40 beds which are devoted to the care of infants in addition to a separate neonatal nursery accommodating 12 infants under the age of one month, including prematures. 1,148 patients were given 11,126 days of care during 1954. All cases in this hospital are available for teaching purposes.

(*New Building.*—The above three units will occupy a new structure early in 1956, fully consolidating these facilities.)

The House of the Good Samaritan.—Situated at 25 Binney Street adjacent to the Medical School. There are 64 beds devoted to the care and study of rheumatic fever and rheumatic heart disease. 214 patients were given 16,491 days of care in 1954. There is a research department for the study of rheumatic fever and rheumatic heart disease. All beds are available for teaching purposes.

The Hospital and Convalescent Home for Children.—This unit, situated in Wellesley Hills, operates as an adjunct to the facilities for care of acute cases at 300 Longwood Avenue and vicinity. It provides 47 beds including 12 beds for care of long-term respiratory paralysis. During 1954, it rendered 10,970 days of care to 170 admissions. All cases are available for teaching purposes.

The Children's Mission to Children.—A social service organization, cooperating in home care and placement programs for children affected by illness and in need of such service.

The Children's Cancer Research Foundation.—An independent institution working with its staff and facilities integrated with those of the Children's Medical Center, provides in conjunction with its research program care and treatment to children with disseminated cancer. This facility for the care and study of over 200 patients is available for teaching purposes.

The Judge Baker Guidance Center.—A child psychiatry clinic whose treatment, training, and research programs are affiliated with those of the Department of Psychiatry of The Children's Medical Center, with one clin-

ical head of Psychiatrist-in-Chief of the latter. During 1954 the Guidance Center gave psychiatric service to 2,188 children and their parents. This unit is presently constructing a building in close proximity to Children's Hospital, expanding and integrating the program in psychiatry.

The Boston Lying-in Hospital.— This hospital occupies a building completed in 1922 at 221 Longwood Avenue. There are 196 beds, 97 of which are used for teaching. During the past year there were 7,793 adult admissions to the hospital, of whom 5,590 were delivered. Chemical, pathological, bacteriological and blood bank laboratories, and a well-equipped X-ray department are available for research.

The Free Hospital for Women.— This hospital is devoted exclusively to the surgical treatment of diseases peculiar to women. It has 91 beds, of which 46 are available for teaching. There were, in 1953-54, 3,112 patients admitted of which 2,777 patients were operated on. In the out-patient department about 11,922 patients were seen in 1953-54, of whom 1,923 were new. In addition to standard laboratory facilities and a library, it has a laboratory for research in fertility and the Fearing Research Laboratory.

Boston Psychopathic Hospital.— This is a state institution for acute, curable, incipient, and doubtful cases of mental disease. The hospital was opened to patients in June, 1912. It has 125 beds, all of which are available for teaching, and receives patients at the rate of about 1,000 a year. The hospital is equipped with psychological, clinical, biochemical, and research laboratories. The out-patient department which is made up of an adult and child division receives new patients at the rate of about 1,000 a year. In addition to the psychoses and neuroses, the clinical material includes cases of maladjustment, personality problems, behavior disorders of childhood and mental defect.

McLean Hospital.— This hospital, situated in Waverley, is a department of the Massachusetts General Hospital for the care and treatment of patients with nervous or mental disorders. McLean Hospital was the first hospital in New England. It has a capacity of 232 beds and has been a teaching hospital connected with the Harvard Medical School for many years. It is well equipped with laboratories for both routine and research work.

New England Deaconess Hospital.— 375 bed general hospital which includes the Deaconess General, Central, the George F. Baker Clinic, the Palmer Memorial and the Cancer Research Institute. In addition to general beds, the hospital has a section especially equipped for diabetics; other sections are devoted to cancer, neurosurgery, thoracic surgery, and thyroid patients. It owns two grams of radium, a large emanation plant, deep therapy equipment, including a new two-million volt X-ray machine, maintains a

social service department, out-patient tumor clinic and conducts numerous research projects.

The Veterans Hospital (West Roxbury).—A 300 bed hospital devoted to the care of veterans. One half of the beds are for the care of general medical and surgical patients, the other half for paraplegic patients, and all of them are available for teaching. During the past year there were 2,336 admissions to the hospital. It is administratively independent, but to a large extent jointly affiliated with the other Harvard teaching hospitals, especially the Peter Bent Brigham Hospital from which it is eight miles distant on Route 1 to Providence. It is fully equipped with laboratory and diagnostic services, with a research laboratory, and has its own library.

HOSPITAL APPOINTMENTS

An active service is maintained to aid graduates in securing suitable hospital appointments as interns. Boston hospitals affiliated with the School make about one hundred such appointments each year. Internships for the Class of 1955 are listed in the back of the catalogue.

SCHOOL OF DENTAL MEDICINE

The Harvard School of Dental Medicine offers a four-year course leading to the degree D.M.D.

The requirements for admission parallel those of the Medical School. In addition, the Dental Aptitude Test is required. Qualified students and graduates of approved medical schools who wish to specialize in dentistry may be admitted to the School of Dental Medicine with advanced standing.

During the first two academic years the courses of instruction are identical with those of the Medical School. The third and fourth years are under the direct supervision of the staff of the School of Dental Medicine. The recipient of the degree of D.M.D. from the School of Dental Medicine is well prepared to meet State Board requirements for license to practice dentistry. Graduates are also ready for the advanced study and experience recommended for any of the specialties of dentistry.

Access to the research laboratories of the School in the elective time during the fourth year permits unusual training for those having dental research in mind as a career.

LIBRARIES

The joint library of the Medical School and the School of Public Health is on the second floor of the Administration Building, and in the other buildings are branch libraries. This library is open from 9 A.M. until 10 P.M.,

on Saturdays from 9 A.M. until 5 P.M., and on Sundays from 2 P.M. until 6 P.M. The present number of volumes in the library is 113,248 and in addition there are 212,195 pamphlets and 1,124 current periodicals on file.

The School of Dental Medicine Library, at 188 Longwood Avenue, has about 5,358 bound volumes, 1,885 pamphlets and 138 current periodicals.

The George Burgess Magrath Library of Legal Medicine contains a collection of approximately 3,000 bound volumes, 384 pamphlets, and 18 current periodical titles. It is located on the third floor of Building E.

The Lucien Howe Library of Ophthalmology, at the Massachusetts Eye and Ear Infirmary, has 3,906 bound volumes, 2,479 pamphlets, and 53 current periodicals.

The College Library at Cambridge is open to all students.

The Boston Public Library is open to students who are residents of Boston. Students, not residents of Boston, who have filed a bond at the Bursar's office, may also use this library. The Bursar will furnish on application the necessary certificate of bond.

The Boston Medical Library, No. 8 The Fenway, contains on file about 200,405 bound volumes, 140,128 pamphlets, and approximately 723 current periodicals. This very valuable library is open to those who desire to consult medical literature, on week days from 9 A.M. to 5 P.M., and on Monday and Thursday to 9 P.M., Saturday, 9 A.M. to 1 P.M.

The librarian of the Schools of Medicine and Public Health Library, and the School of Dental Medical Library is Miss Anna C. Holt, whose office is in Building A. Through her, contact with the other libraries mentioned is maintained. C. Sidney Burwell, M.D., is Chairman of the Library Committee.

WARREN ANATOMICAL MUSEUM

The Warren Anatomical Museum was founded in 1847 by JOHN COLLINS WARREN, of the College Class of 1797, Adjunct Professor of Anatomy and Surgery from 1809 to 1815, Hersey Professor of Anatomy and Surgery from 1815 to 1847, Professor *Emeritus* from 1847 to his death in 1856, son of JOHN WARREN, the first Hersey Professor of Anatomy and Surgery. During the academic year the Museum will be opened to visitors and students in the School during regularly scheduled hours.

The collection has over twenty thousand specimens, illustrating both normal and pathological anatomy. Students and graduates may have access to these specimens.

Besides dissections and serial sections of bones, the anatomical collection includes many injections, corrosion preparations, models and groups of bones, notably the Dwight collection of spines, hands and feet, and the Tello collection of skulls. A section of neuropathology is growing larger and is suitable for teaching. There has been added a very valuable series of

total brain sections which show major lesions. These are displayed over illuminated boxes.

The pathological collection of "hand" specimens, conveniently housed in 40-gallon tanks, is for the use of students, and mounted specimens illustrate the major diseases.

There is a collection of medico-legal material which has a section to itself and forms a basis for teaching.

The American Ambulance of Paris contributed a number of specimens from the European War, especially interesting for a student of military surgery.

REQUIREMENTS FOR ADMISSION

Candidates for admission to the first year class must present evidence satisfactory to the Committee on Admission, not simply that they have passed the courses necessary to fulfill the requirements, but also that their college work and other credentials have been of such character as to give promise of work of high quality in the medical course. A broad general education including the attainment of competence in English, biology, chemistry and physics is essential for the comprehension of the medical school curriculum. For most students this will require at least three and probably four years of college education. Superior students may, in selected cases, be considered acceptable for admission to medical school after only two years of collegiate work. In all instances, the final judgment as to the admissibility of any student rests with the Harvard Medical School Admission Committee.

In general, the School considers for admission students in good standing in arts or in sciences in colleges approved by one of the regional accrediting associations. A list of these schools may be obtained by writing to the Council on Medical Education and Hospitals, American Medical Association, 535 North Dearborn Street, Chicago, Illinois. (Colleges of pharmacy, optometry, veterinary medicine, agriculture, as well as junior colleges and evening and university extension courses are not ordinarily included in the approved list. Unless the premedical courses taken in such an institution are identical with those given in an approved university with which it is associated, credits earned therein will not be acceptable to the Committee.) Credentials from foreign universities, in most cases, must be supplemented by two years of work in an American university. Admission cannot be assured as the classes of the Medical School and the School of Dental Medicine are limited by Faculty rule to 114 students in the Medical School and 16 students in the School of Dental Medicine. Applications will not be accepted from candidates who have been refused admission on two prior occasions.

In order to meet the present legal requirements of state licensing boards

and to have the needed basic understanding, the following specific college credits must be secured:

Biology: The student should take a general course in biology which should emphasize the structure, function, natural history, and evolution of plants and animals. A course in embryology is distinctly recommended but bacteriology, human anatomy, and histology will not be considered as meeting the biology requirements. A satisfactory course should show college credits of at least eight semester hours.

Chemistry: The student should acquire a sound understanding of the basic principles of chemistry, both inorganic and organic. He must have taken not less than 16 semester hours of chemistry, which should be about equally divided between inorganic and organic chemistry. Biochemistry will not be accepted as meeting these requirements.

To be prepared adequately for the work in chemistry in the Medical School it is desirable that the student have had experience with the application of chemical laws to gases and solutions, and some experience with quantitative techniques (particularly volumetric analysis).

Physics: The student should acquire an understanding of the general principles of physical laws and phenomena, and have experience in mechanics, heat, light, sound, and electricity. College credit for eight semester hours must be secured.

The above science courses must be accompanied by laboratory work taken as a part of the college course.

English: The student should have facility in the use of English in speech and composition. A one year course in which composition is included is acceptable but two years of college English are recommended. Even though, in the judgment of the authorities of the applicant's college, he has obtained enough training in secondary school to be exempted from the usual beginning course in English, an advanced course in English is strongly recommended.

Modern Language: The student should have a reading knowledge of a modern language important to medicine in addition to English. The Committee on Admission suggests French, German, Italian, Spanish, or Russian as suitable languages. A reading knowledge presupposes two years of high school and one year of college work, or two years of college work. If an applicant has fulfilled the language requirement for a Bachelor's degree by obtaining a sufficiently high score on the College Board examination or by passing a college language placement test in one of the above languages, he will be considered as having fulfilled the requirement for admission to medical school. Even in such cases, however, an advanced course in the same foreign language is strongly recommended.

The Medical College Admission Test of the Association of American Medical Colleges is required. Information about this test may be obtained by writing to the Educational Testing Service, 20 Nassau Street, Princeton, New Jersey.

Interview: An interview may be required of any applicant. The Committee on Admission will inform an applicant if one is necessary in his case.

ADMISSION TO ADVANCED STANDING IN THE HARVARD MEDICAL SCHOOL

The third year class may be increased by approximately 35, making place for transfer students from other medical schools. Vacancies in the second year class may also be filled by transferring students.

Students of high scholastic standing will be considered. They must be vouched for as promising men by the Dean of the school from which they come and must furnish a certificate of time spent in medical studies at least equal to that spent by the class to which they seek admission. Full credit for work done elsewhere will be allowed as a rule. All the requirements for the first year class (including the Medical College Admission Test), must have been fulfilled by applicants for advanced standing.

Applications may be obtained at the Admissions Office approximately one year prior to the expected date of transfer.

Admission of graduates from the Harvard Medical School to the third year at the Harvard School of Dental Medicine, or from the Harvard School of Dental Medicine to the third year at the Harvard Medical School, will be decided by a special Committee on Continued Professional Study in Medicine and Dentistry.

ADMISSION TO ADVANCED STANDING IN THE HARVARD SCHOOL OF DENTAL MEDICINE

A student who has begun his medical studies in an approved medical school may be admitted to the second or third year and become a candidate for the degree of Doctor of Dental Medicine under the following conditions:

He must be vouched for as a promising man by the Dean of the medical school from which he applies.

He must furnish a certificate of time spent in medical study at least equal to that spent by the class to which he seeks admission.

All the requirements for the first year class must have been fulfilled by applicants for advanced standing.

The Committee on Admission will decide in each case whether examination in the various subjects shall be required.

INFORMATION FOR SERVICEMEN

The qualifications for admission remain essentially the same for veterans as for civilian applicants. Before the acceptance of a veteran can become final, the applicant will need to submit photostatic copies of discharge papers or similar evidence of honorable release. Where available the applicant should file also a copy of his "Separation and Qualification Record" on which is listed in detail his service record and training. If the Committee does not act favorably on an application, certifications furnished by the applicant may be returned, at his request. It is the responsibility of the applicants to take the necessary steps toward obtaining government benefits for servicemen for which they are eligible. On request the Harvard Veterans Office can furnish a brief statement of the necessary procedures required by the Veterans Administration to receive such benefits. The University has established this office to form a central point for answering inquiries and advising veterans. For matters relating to veterans' affairs and not connected directly with the Medical School or the School of Dental Medicine, the applicant should feel free to write to the Harvard Veterans Office, Lehman Hall, Cambridge 38, Massachusetts.

APPLICATIONS FROM FOREIGN STUDENTS

A candidate from a foreign university may file application for admission, but if he has attended a university or medical school which has not received approval by the Approving Authority of the Commonwealth of Massachusetts, he must receive specific approval from the Authority before he can be admitted. In general, it is the policy of the Committee on the Admission of Students to require that foreign students spend at least one year, and preferably two, studying at an undergraduate college in this country before applying for admission to the Harvard Medical School. This policy has been established in order both that the applicant may become familiar with the language, customs, and methods of teaching in the United States, and that the Committee may obtain a better evaluation of his qualifications and preparation for medicine. Exception to this policy may be made in the case of qualified applicants from medical schools in the British Isles.

Students seeking transfer to the second year class from foreign medical schools may be required to take the examinations in the first year subjects at the regular time they are given at the Harvard Medical School in February and May. Students applying for transfer to the third year at the Harvard Medical School will be required to pass successfully Part I of the examinations given by the National Board of Medical Examiners.

FOREIGN STUDENTS

All students who are not citizens of the United States will be referred before registration to the Counselor for Foreign Students, 24 Quincy Street, Cambridge, where they *must* present a statement of admission, show their passports, and fill out a Student Registration form. They will then receive a card for presentation at registration, showing they have been cleared by the office of the Counselor for Foreign Students. This Office is prepared to furnish information to aliens on visa requirements, permissible employment, income tax liabilities, Selective Service regulations, and many other official restrictions in effect under existing laws of the United States.

GENERAL REGULATIONS

In order that the time of study shall count as a full year, students of all upper classes must register on the first day of the session.

A fee of \$10 is charged for late registration.

For special and approved purposes fourth year students may be allowed to take a portion of their work elsewhere than at the Harvard Medical School, provided the application be approved by the Dean in consultation with the Administrative Board and the head of the department concerned, and provided the student passes an examination on this work after its completion, conducted by a member of the Faculty of the Harvard Medical School.

EXAMINATIONS AND PROMOTION

Promotion from one class to another is contingent upon the satisfactory completion of the required work of each year. In each course, when indicated, students will be informed by their instructors as early as possible when the progress of their work is unsatisfactory.

Final grades in each course will be based upon such examinations or other tests as are determined by each department. Grading is on the scale of A, B, C, D, and E (denoting failure).

Grades are averaged on the basis that A = 1, B = 2, C = 3, D = 5 and E = 8, and since the time devoted to courses varies, grade averages will take into account the time assigned to courses, giving them computation values as follows:

First Year: Anatomy 5; Histology 5; Physiology 5; Biological Chemistry 5.

Second Year: Pathology 6; Bacteriology 4; Pharmacology 4; Physical Diagnosis 2; Laboratory Diagnosis 2; Surgery 2.

Third Year: Medicine 6; Surgery 6; Pediatrics 3; Obstetrics 3; Preventive Medicine 2.

Fourth Year: Proportional to month's work.

Promotion Boards

Promotion Boards have been appointed for the first, second and third years to review the work of each student at the end of the year or, at their option, at other times. The membership of these boards consists of one representative from each department whose grading, as noted above, affects the student's grade average and one member from the Committee on Examinations and not as voting members, the Dean or Assistant Dean, *ex-officiis*, and on the Promotion Boards of the first and second years, the Dean of the School of Dental Medicine, *ex-officio*.

It is the duty of the Promotion Boards to promote those qualified, to notify formally students whose work in any course is unsatisfactory—in certain cases requiring that such students repeat the year's work—and to recommend that unpromising students withdraw from the School.

Opportunity will be given to students to appeal the decision of a Promotion Board either at a special meeting or at the next regular meeting of the Board. Appeals must be sent to the Chairman of the Promotion Board, Harvard Medical School and, to be valid, be received by him within two weeks after the issuance of a Promotion Board's notice of formal action.

General Examination

A committee will give a General Examination to each candidate for the degree of M.D. It will recommend to the Faculty those who pass and are otherwise qualified for the degree and for honors. The conditions under which a student shall take a General Examination and the character and content of the examination will be determined by the Committee subject only to rules of the Faculty.

A student becomes eligible to take a General Examination on successfully completing seven-eighths of his fourth year work. He may not anticipate the General Examination ahead of his class.

A student who fails three General Examinations is debarred from further attempts.

Rules governing promotion

1. A student with a grade averaging, for one year, from D (5) to E (8) will ordinarily be required to withdraw from the School.

2. A student whose grade for one year averages from 4 to 5 will be warned that his work is unsatisfactory. At the Promotion Board's discretion such a student may be required to repeat the year's work, or to withdraw from the School.

3. A student who is set back a year must repeat at least two assigned subjects and then he will not be promoted unless he obtains a grade of C or better in both of these subjects.

4. A student who is warned by a Promotion Board that his work is unsatisfactory and yet is permitted to advance with his class must attain for the ensuing year a grade average which is significantly better than in his previous year, failing which he must repeat the year's work, or, at the Board's discretion, he may be required to withdraw from the School.

5. A student failing in any course and yet permitted to advance with his class may not be promoted a second time nor will he be allowed to take the General Examination until that failure is removed.

6. A student failing any course will have an opportunity for re-examination only at a time set by the Promotion Board or with a succeeding class or section.

WITHDRAWAL FROM THE SCHOOL

The Faculty reserves the right to require the withdrawal of any student at any time when, in the opinion of his instructors, it is manifest that he is incompetent, or for any reason is unfit to continue his course.

A student may withdraw voluntarily from the School upon application to an Assistant Dean. *Application for reinstatement by any student must be received in writing at least four months prior to the date of readmission and for favorable action must be approved by the Committee on Admission. After two years, favorable action will usually not be taken.*

DEGREES

DEGREE OF DOCTOR OF MEDICINE

Every candidate for the degree of *Doctor of Medicine* at this University must be at least twenty-one years of age, and of good moral character. He must have fulfilled all the requirements for admission to this Medical School; give evidence of having studied in a recognized medical school at least four full years, of which one year must be spent in the regular fourth year course of this School; have passed all the required examinations; have dissected the three parts of the body to the satisfaction of the demonstrator; have taken charge of and reported on twelve cases in Obstetrics under supervision and instruction; and furnish evidence of having engaged in the practical exercises in Medicine and Surgery.

The degree of Doctor of Medicine *cum laude*, *magna cum laude*, or *summa cum laude* may be given to students of highest rating in the class, on recommendation of the Committee on Examinations and the Faculty.

The degree of Doctor of Medicine *cum laude*, *magna cum laude*, or *summa cum laude* for a thesis in a special field may be awarded to candidates for the degree of Doctor of Medicine on recommendation of the Committee on Examinations and the Faculty. The work for this may have been carried out under the Tutorial System or by independent arrangement with any member of the Staff.

The degree is awarded for original and meritorious investigation in a single subject or group of subjects and for evidence of ability, scholarship and persistent interest and industry. Candidates wishing to be considered for such honors in a special field must apply to the Dean's Office not later than March 1 of the year of graduation and must submit two typewritten copies of an original thesis prepared in form usual for publication. The written approval of the head of the department in which the work was completed must be attached.

The thesis should include an introduction with references to relevant literature; a brief statement of the purpose of the study; a description of the materials and methods employed; an account of the original observations included; a discussion of the results; a summary; and a list of the references used.

No candidate is eligible to graduate with honors for a thesis in a special field unless he has done creditable work in his regular curricular studies and has passed the General Examinations. In addition, any candidate whose qualifications are acceptable for honors in a special field must pass an oral examination before the Subcommittee on Honors in a Special Field and invited special examiners in which he will be examined not only on the subject of his thesis but on the general field of which it is a part.

Every candidate for the degree of M.D. must make application for it in writing on blanks furnished at the Dean's office, on or before April 1.

HIGHER DEGREES IN THE MEDICAL SCIENCES

The degrees Doctor of Philosophy, Master of Arts, and Doctor of Medical Sciences have been established for advanced work in some special field in the medical sciences. The first two degrees are administered by the Faculty of Arts and Sciences, through the Division of Medical Sciences, which consists of faculty members of the preclinical departments of the Medical School. The third is administered by the Faculty of Medicine. All candidates for these degrees must hold a degree in Arts or in Sciences from an approved college.

Candidates for the Doctor of Philosophy and Master of Arts degrees are registered in the Graduate School of Arts and Sciences for study in the Division of Medical Sciences. Students interested in graduate study in the Division should see the General Announcement of the Graduate School of Arts and Sciences and the pamphlet entitled Higher Degrees in Medical Sciences. These can be obtained by men from the Harvard Graduate School, 24 Quincy Street, Cambridge 38, Massachusetts; or by women from the Radcliffe Graduate School, Radcliffe College, Cambridge 38, Massachusetts.

Inquiries should be addressed to the Chairman of the Division of Medical Sciences, 25 Shattuck Street, Boston 15, Massachusetts.

DOCTOR OF PHILOSOPHY AND MASTER OF ARTS

The Division offers to entering students a new type of course, Medical Sciences 201ab, which is designed to introduce the student to the literature, experimental methods and fundamental principles associated with each of the preclinical sciences— anatomy, bacteriology, biochemistry, pathology, pharmacology and physiology. The establishment of this course represents a new departure in the training of candidates for the Ph.D. degree within the Division. Studies will center around the functional and morphological characteristics of cells, organs, and organ systems, and each topic selected for study will be approached from the various points of view represented by the different sciences. This course is given in a laboratory specially designed to permit the integrated study required by this approach. This course will ordinarily constitute the entire program of study for first year graduate students in the Division. After completion of the course, the student may enter any one of the special fields to carry out his or her more advanced studies and thesis work. These advanced studies may include courses in the Departments of Biology, Chemistry, and Physics in Harvard College.

The major aim of the Division of Medical Sciences is to prepare graduate students for careers of research and teaching in the basic medical sciences. Since the graduate student may elect a program of study suited to his individual requirements, he may concentrate on his field of special interest early in his training, without the obligation of spending two or three additional years in clinical studies which are required for the degree of Doctor of Medicine.

The graduate student in the Division devotes a major portion of his time to original experimental investigation which he undertakes in conjunction with formal courses designed as a preparation for his special field. During the period when he is taking formal courses, he may choose the type of problem which interests him most among the wide range of research activities of members of the Division.

Candidates for admission should have a thorough grounding in the biological and physical sciences. This will usually be more than the minimum for admission to medical school. Advanced courses in biology, chemistry, and physics are ordinarily regarded as preferable to undergraduate courses in bacteriology, biochemistry, histology, etc. A reading knowledge of German and one other modern language is desirable but not required for admission. The candidate will be required, however, to pass an examination in German and one other foreign language before graduation.

The minimum requirement for the degree of Doctor of Philosophy consists of not less than two years— at least one and a half of which must be in residence at Harvard or Radcliffe— devoted to advanced studies approved as suitable preparation for the degree by the proper department. Ordinarily three or more years are required for the completion of formal courses and

preparation of a thesis. In estimating the amount of a candidate's study for the degree, the advanced work done in other graduate departments at Harvard or of other universities will be considered.

It is expected that the preparation of a thesis will require full time for usually not less than one and a half years. It must show original treatment of a fitting subject, give evidence of independent research, and be clearly, logically, and carefully written in good English. Following acceptance of his thesis, the candidate is given an oral Final Examination on the subject of his thesis and its relation to his special field and collateral subjects.

The minimum requirement for the degree of Master of Arts consists of a full year of residence and study. At least one quarter of the work must be more advanced than the regular introductory courses offered by the various departments, and should consist of research or individual preparation for research. In addition, each student must pass an examination in French or German. In some departments a thesis is required for the degree.

DOCTOR OF MEDICAL SCIENCES

Candidates for this degree must matriculate as medical students and complete with an honor grade the regular elementary courses offered by this School, together with such other subjects as may be recommended by the Faculty. Ordinarily this preparatory training will be equivalent to the first two years of the course of study leading to the degree of M.D. In addition, all candidates are required to have a reading knowledge of French and German. In estimating the amount of a candidate's study for the degree, study completed in other approved medical schools will be considered.

Following the completion of this preliminary training, the student shall devote himself for not less than two years to the intensive study of one of the fundamental medical sciences and to the preparation of a thesis. The thesis must show an original treatment of a fitting subject and give evidence of independent research.

There shall be two examinations for every candidate for this degree: a general examination, before entering upon the work of the last two years, covering the elementary medical sciences; and a final examination, upon acceptance of the thesis, covering the particular medical science chosen as a special field.

The fees for the first two years are the same as for medical students.

STUDENT EMPLOYMENT

The Dean's Office makes every effort to assist students in obtaining part-time work during the college year when a student's standing is such that it is felt he can carry outside work, and full-time work during the summer

vacation. The service is furnished without cost either to the student or to the employer.

Only a limited amount of outside work can be done without being a tax on the student's health and scholarship, and the student is urged, when it is possible, to devote himself to a regular program of study and recreation, giving as little time to outside work as is feasible with his plan for financing his medical education. A number of positions offering room and board in return for laboratory or minor clinical services in hospitals are available to second, third, and fourth year students. Fewer opportunities are open to first year students.

MICROSCOPES

The School requires that each student secure a standard student microscope, preferably less than twenty years old, with a minimum of two oculars and three objectives including an oil immersion lens. A mechanical stage is not essential. The minimum requirements are as follows:

- 2 oculars 5X and 10X
- 1 oil immersion objective
- 1 16mm. objective
- 1 4mm. objective
- 1 complete substage—Abbe condenser and Iris diaphragm

In addition, the following are recommended by the Department of Pathology:

- 1 scanning objective 2-3X
- 1 quadruple nosepiece

Under the auspices of the Vanderbilt Hall Committee, arrangements have been made for the *quality* purchase, at a substantial discount, of the standard American, certain German and Japanese microscopes. The standard American and German monocular microscopes currently retail at about \$350, binoculars at about \$550. The Japanese Yashima (which is being used in several departments at the Medical School) retails at about \$250, and sells at a greater discount than the American and German.

Further information about the *quantity purchase plan* will be sent to each student.

The Medical School has about fifty microscopes available for rental each year to first-year students unable to provide their own. The rental charge is \$10 a half year. A rental microscope will be reserved for each student who applies for one by *April 15*.

FEES AND EXPENSES

An estimate of total yearly expenses shows that the average cost of the school year is \$2,300 for each academic year. This estimate includes tuition,

medical health fee, board and room, books, laundry and incidentals.

The fees are:—For matriculation, \$5; for medical health fee, \$50 for each year; for instruction (including laboratory charges except microscope rental, breakage, damage and loss of apparatus), \$800 for each year. In September 1954 the tuition was increased to \$1,000.

Term-bills for the year 1955-56 are issued and payable as follows:

<i>Issued</i>	<i>Payable</i>	<i>Basic Charges</i>
	At Registration	{ ¼ Tuition for the year ½ Medical Health Fee
Nov. 21	Dec. 9	{ ¼ Tuition for the year ¼ Board for the year (Undergraduates) Board through Oct. 31 (Graduates) ¼ Room Rent for the year Coupon Books through Oct. 31 Miscellaneous Charges
Jan. 20	Feb. 10	{ ¼ Tuition for the year ½ Medical Health Fee ¼ Board for the year (Undergraduates) Board through Dec. 31 (Graduates) ¼ Room Rent for the year Coupon Books through Dec. 31 Miscellaneous Charges
Apr. 20	May 10	{ ¼ Tuition for the year Additional Course Fees for the year ¼ Board for the year (Undergraduates) Board through March 31 (Graduates) ¼ Room Rent for the year Coupon Books through March 31 Miscellaneous Charges
June 6*	June 13	{ ¼ Board for the year (Undergraduates) Board to the end of year (Graduates) ¼ Room Rent for the year Coupon Books to the end of the year Miscellaneous Charges
June 29	July 16	{ ¼ Board for the year (Undergraduates) Board to the end of year (Graduates) ¼ Room Rent for the year Coupon Books to the end of the year Miscellaneous Charges

* Applies only to candidates for degrees.

Bills for miscellaneous charges will be rendered at the time the indebtedness is incurred.

All indebtedness to the University must be paid by all candidates for degrees at least one day before Commencement.

Students who are candidates for degrees in the middle of the academic year must pay all dues to the University at least one day before the day upon which the degrees are to be voted.

The term-bills are sent to the student at his college address unless the Bursar is requested in writing to send them elsewhere.

When a student's connection with the University is severed, all charges against him must be paid at once.

A deposit of \$50 is required of every new student who accepts a place in the Medical School; this sum to be applied on his first term-bill or to be forfeited if the student does not register.

Any student whose indebtedness to the University remains unpaid on the date fixed for payment is deprived of the privileges of the University until he is reinstated. Reinstatement is obtained only by consent of the Dean of the Department in which the student is enrolled, after payment of all indebtedness. A fee of \$10 is automatically added to all bills which are unpaid by the due date. *Students will be held responsible for the payment of fees until they have notified the Dean, in writing, of their intention to withdraw from the School.*

DORMITORY

Vanderbilt Hall, the Medical School dormitory, has accommodations for 325 male students. The majority of the rooms are designed for one occupant. Many of the rooms communicate directly with the adjacent room, and there are also a number of suites for two or more persons. The price of rooms ranges from \$200 to \$450 per person for the academic year. Application forms for rooms in Vanderbilt Hall will be sent to all new students approximately four months before registration day. The date on which they must be returned in order to be included in the drawing will be announced at that time. Students are permitted to reengage their rooms for the following year by signing lease cards at the Dean's Office. The dormitory has squash courts and a gymnasium which are open to members of the teaching staff and students of the Medical School. In addition the School has tennis courts and has an outside exercise field. There is a parking lot for automobiles behind the hall which is owned by the School. No charge is made for this facility and the School assumes no responsibility for loss or damage to automobiles or other property left in the lot.

The dormitory contains a large dining hall which is available for all members of the Medical School. Meals are served at reasonable prices.

BOND REQUIRED OF STUDENTS

On his entrance to the School each student is required to file with the Bursar a bond in the sum of \$500 as security for payment of University bills.

The bond must be signed by two bondsmen, both of whom must be citizens of the United States, or by a surety company duly qualified to do business in Massachusetts.

No officer or student of the University will be accepted as a bondsman and in no case will more than one parent be accepted as a bondsman.

In lieu of the bond a student may deposit with the Bursar five hundred dollars in United States Treasury coupon bonds, or five hundred dollars in cash which will bear no interest.

STUDENT HEALTH SERVICE

The Harvard Medical Center Clinic at the Peter Bent Brigham Hospital, 721 Huntington Avenue, supplies medical care to the students. The clinic is open daily except Saturday afternoons, Sundays, and holidays from 8:30 a.m. to 5:00 p.m.; office hours for the physicians are 8:30 to 9:45 a.m. and 1:00 to 2:00 p.m. However, one of the staff is available during the day by appointment. For emergency care at night and on holidays, the Emergency Service of the Peter Bent Brigham Hospital is open at all times and one of the staff of the clinic is available by telephone. A complete medical examination of each new student is required at the beginning of the school year. This is conducted by appointment shortly after school opens.

Medical students with minor illnesses requiring rest in bed, as well as more serious cases, will be hospitalized either at the Peter Bent Brigham Hospital or at one of the other teaching hospitals associated with the Medical School. Upon registration, each student receives a booklet which describes the medical services available under the Health and Medical Care Program for Students. Hospital insurance is available through the plan for wives and children of married students.

Evidence of having been satisfactorily vaccinated is required for entrance to Harvard University and a form for certification which must be filled out is sent to each student who is accepted for admission. Results of a chest film made within six months prior to registration must be reported.

Any illness necessitating absence from classes must be reported to the physician to students. On the day the student returns to classes, the physician to students *must* be notified.

FELLOWSHIPS AND SCHOLARSHIPS

FELLOWSHIPS

The amount of the stipend of the Fellowships and Scholarships is approximate only and contingent upon the income of the University.

Students who marry while on a fellowship will forfeit the fellowship unless at the time of their application they have notified the Committee of their intention to marry.

EDWARD HICKLING BRADFORD (1918). Anonymous. To be used for medical research or instruction separately or in connection with any other foundation, in such manner as may be prescribed. \$1,700

BULLARD (1891). William Story Bullard, in memory of three physicians "distinguished for their honorable personal character and their professional services in this community":

GEORGE CHEYNE SHATTUCK MEMORIAL	\$470
JOHN WARE MEMORIAL	490
CHARLES ELIOT WARE MEMORIAL	450

Any one or all of these fellowships may be paid to any student or member of the medical profession appointed to make such original investigations in Medical Science as will be most useful to the profession and to the community. The results of these investigations shall not, however, be published as a research performed under the grant of a Bullard Fellowship, unless the work shall have received the approval of the Committee.

Holders of the fellowships must do throughout the academic year the equivalent of at least ten hours' work a week and make a report thereon.

ARTHUR TRACY CABOT (1913). Dr. and Mrs. Frederick Cheever Shattuck. In memory of Arthur Tracy Cabot, A.B. 1872, M.D. 1876. For students of surgery. Ordinarily the incumbent may not engage in active practice, but is to devote himself to the advancement of surgery in the United States or elsewhere. Nomination to this fellowship is by preference to be made by the Moseley Professor of Surgery. \$1,700

JAMES JACKSON CABOT (1906). Arthur T. Cabot, Samuel Cabot, and Guy C. Cabot. Income to be used to "aid and encourage practical work in scientific medicine." \$980

WALTER BRADFORD CANNON (1945). Mr. Joseph F. and Mrs. Clara Ford. A fellowship in Physiology. \$500

HAROLD C. ERNST MEMORIAL FUND (1938). Mrs. Ellen L. Ernst. A scholarship or fellowship in the Department of Bacteriology. \$4,000

CHARLES FOLLEN FOLSOM (1908). Founded by more than sixty persons in memory of Charles Follen Folsom, A.B. 1862, M.D. 1870. A Teaching Fellowship in Hygiene or in Mental and Nervous Diseases. For the present assigned to the Department of Neuropathology-Neurology. \$1,130

CHARLES DUSTIN HUNKING, M.D. (1948). Sarah S. H. Cheney, in memory of her brother, Charles Dustin Hunking, M.D., a member of the Class of 1871 of Harvard University and of the Class of 1876 of Harvard Medical School. To enable a graduate of Harvard Medical School, who is also a native of Haverhill, Mass., to do medical research. \$250

LOUIS E. KIRSTEIN (1937). Friends of Louis E. Kirstein. For the promotion of scientific medical education. \$2,130

WILLIAM O. MOSELEY, JR., TRAVELLING FELLOWSHIPS (1912). Mrs. William O. Moseley. For students who have attended the School for three or four years or, upon recommendation of the Administrative Board in each such case, men who have been two years as undergraduates in the School and who have subsequently for at least a year done, under members of the staff of this School, advanced work of such character and quality as to lead the Administrative Board to believe that they will be of unusual value in their profession. To enable them to continue the study of medicine in Europe. Either two or three fellowships will be awarded. \$3,500

FRANCIS WELD PEABODY MEMORIAL (1929). To be awarded on the recommendation of the Dean and full professors of Medicine in charge of the clinics of the Boston City Hospital, the Massachusetts General Hospital, and the Peter Bent Brigham Hospital, to properly qualified graduates of medical schools to enable them to devote further time to intensive clinical and laboratory studies. \$5,000

JEFFREY RICHARDSON (1933). William Lambert Richardson, A.B. 1864, M.D. 1867. To be awarded each year to some deserving student, upon his graduation from the Harvard Medical School, who desires to continue his studies either here or abroad. \$2,300

HENRY P. WALCOTT (1910). Dr. Frederick Cheever Shattuck. For a Fellow in Clinical Medicine appointed on nomination by the Jackson Professor of Clinical Medicine. The recipient shall not engage in private practice but must devote his time to teaching and clinical research. \$2,290

WHITMAN (1933). Mrs. Bernard C. Whitman, in memory of her husband Bernard C. Whitman, A.B. 1846, and of her son Crosby C. Whitman, A.B. 1886. Available for a graduate of Harvard Medical School pursuing the study of medicine or surgery at the École de Médecine de Paris. \$560

WILLIAM HUNTER WORKMAN (1925). William Hunter Workman, M.D. 1873. To enable one or more graduates of the Harvard Medical School to pursue postgraduate studies in medicine in this country or abroad. In exceptional cases, fourth year students will be eligible. \$1,600

SCHOLARSHIPS

HARVARD MEDICAL SCHOOL NATIONAL SCHOLARSHIPS

In order to make it possible for young men of outstanding ability and promise to come to the Harvard Medical School, two or three Harvard Medical School National Scholarships will be offered to incoming members of the first year class. These scholarships will carry a stipend sufficiently large, if necessary, to meet all the student's essential expenses. Successful applicants who maintain a high honor record at the Medical School will continue to hold these scholarships throughout the Medical School course.

The offer of these scholarships is made possible by gifts from Mr. Edward S. Harkness, Dr. Daniel F. Jones, and Dr. Franklin S. Newell. The donors expressed the hope that through these scholarships superior men who could otherwise not receive a medical education would be enabled to attend the Harvard Medical School. They also expressed the hope that some of these men might wish to return to their own communities to carry on the practice of medicine.

Direct application for these scholarships cannot be made since all accepted first year students are considered as candidates, the awards being made without reference to financial circumstances. The stipend will vary depending on the resources of the recipient.

GENERAL SCHOLARSHIPS

The following scholarships are open to students who have been admitted to the School at the time of application. Approximately \$58,000 is available annually from the general scholarship funds.

The Cheever, Gerry, Greene, and Haven Scholarships are awarded only to students of the first year class. The Hayden and Webster Scholarships may be so awarded. All the other scholarships are available to members of all classes.

Scholarships and gratuities are awarded to such men among those applying for and needing assistance as give evidence of having done the best work in this School.

Information with regard to all forms of pecuniary aid may be obtained from the Dean's Office. Students requiring aid should visit the Dean's Office as soon as possible after matriculation to discuss their financial needs.

AESCULAPIAN CLUB (1938). To be used for loans or scholarships.

EDWARD DANA BARBOUR FUND (1928). For promoting medical education in China, preference to students coming from Shanghai or its environs.

EDWARD M. BARRINGER FUND (1881). Edward M. Barringer. For the maintenance of two scholarships for students in the Harvard Medical School. Awarded to deserving students, preference being given to those of the fourth year class.

EDWARD M. BARRINGER NO. 1

EDWARD M. BARRINGER NO. 2

GORDON BARTLETT (1919). Mr. and Mrs. Donald Gordon, in memory of their nephew, Gordon Bartlett, a student at Dartmouth College who died of wounds at St. Mihiel while serving in the Seventeenth Field Artillery. Preference is given to graduates of Dartmouth College. This scholarship will ordinarily be divided between two men.

MATTHEW AND MARY E. BARTLETT (1916). Miss Fannie Bartlett, in memory

of Matthew and Mary E. Bartlett. For the benefit of a worthy and meritorious student who is in need of financial assistance.

LUCIUS F. BILLINGS (1900). Lucius F. Billings. May be divided between two or more students.

DR. ROBERT BONNEY FUND (1944). Robert Bonney, M.D. 1898. For the aid of needy and meritorious students.

HENRY FASSETT CASTLE (1941). William E. Castle, A.B. 1893, A.M. 1894, PH.D. 1895, as a memorial to his son, Henry Fassett Castle, who died in November, 1919, at the age of 19, having completed the previous June the work of the first year in the Medical School.

DAVID WILLIAMS CHEEVER (1889). David Williams Cheever, A.B. 1852, M.D. 1858, LL.D. For a first year student after three months' study in the Medical School.

DAVID WILLIAMS CHEEVER #2 (1947). David Cheever, A.B. 1897, M.D. 1901. To be awarded at the beginning of the year to a first year medical student in hope that after the stated probationary period he may be awarded the scholarship founded by David Williams Cheever, A.B. 1852, M.D. 1858.

ELEANOR DWIGHT CLARK (1938). For one or more scholarships of the type of the Harvard National Scholarships.

COTTING GIFT (1900). Benjamin E. Cotting, A.B. 1834, M.D. 1837. Awarded on the basis of pecuniary need, intellectual capacity, faithfulness and earnest endeavor.

ORLANDO W. DOE (1893). Orlando Witherspoon Doe, A.B. 1865, M.D. 1869. To be given annually to a deserving student in the Medical department.

GEORGE RUSSELL EAGER (1936). Miss Mabel T. Eager, in memory of her father.

HENRY EHRLICH MEMORIAL (1927). Friends and family of Henry Ehrlich, M.D. 1886. To be used for the assistance of needy and worthy students regardless of creed or color.

RUSSELL DUNSON ELLIOTT (1950). Awarded annually to properly qualified applicants, preferably of Anglo-Saxon ancestry.

HORACE PUTNAM FARNHAM (1918). Mrs. Eliza Cary Farnham in memory of her husband, Dr. Horace Putnam Farnham, A.B. 1843. For the benefit of meritorious students in the Harvard Medical School.

REGINALD FITZ (1954). Scholarships for students in the Harvard Medical School.

DR. E. PEABODY GERRY (1943). The income to aid first year students.

CHARLOTTE GREENE (1925). Edwin Farnham Greene. For a first year student whose previous record indicates special promise.

DR. C. EUGENE GUNTHER (1933). Mrs. C. Eugene Gunther in memory of her husband. To be used to maintain two scholarships for the benefit of deserving medical students.

GEORGE HAVEN (1913). George Haven, M.D. 1883. To be used annually for scholarships for students of the first year in the Medical School.

LEWIS AND HARRIET HAYDEN (1894). Mrs. Harriet Hayden. For colored students. The income may be divided. If not awarded in the Medical School, the School of Public Health, or the School of Dental Medicine, it is open to colored students in any other department of the University.

WILLIAM HILTON (1897). Two scholarships annually in the Medical School.

WILLIAM OTIS JOHNSON (1911). Mrs. William O. Johnson, in memory of her husband, William Otis Johnson, A.B. 1845, M.D. 1848.

CLAUDIUS M. JONES (1893). Claudius Marcellus Jones, A.B. 1866, M.D. 1875.

ALFRED HOSMER LINDER (1895). Mrs. George Linder. For a student of sound principles and marked ability.

ARTHUR THEODORE LYMAN AND HENRY STURGIS GREW MEMORIAL SCHOLARSHIP (1926). On March 19, 1951, it was voted by the Corporation . . . "to provide that such income shall be available, until further order of this board, for scholarships in the Medical School, the School of Dental Medicine and the School of Public Health; preference to be given to Chinese students, with the understanding that if none such apply successfully, the income may be used for scholarships for students from elsewhere in the Far East."

MEDICAL SCHOOL CLASS OF 1879 (1909). Established by the Class of 1879 as a loan fund and later converted to a scholarship.

JAMES EWING MEARS, M.D. (1909). J. Ewing Mears. For a student throughout the full course of four years, subject to his scholastic standing and good conduct.

ERNEST OMAR NAY (1947). Ernest Omar Nay, M.D. 1919. For a medical student from the states of Indiana, Illinois or Ohio whose scholarship is above the average and whose financial resources are such that he cannot unaided acquire a medical education.

JOSEPH PEARSON OLIVER (1904). Patients of Joseph Pearson Oliver, M.D. 1871. To be awarded to a needy and deserving student of the Medical School.

JOHN ELIOT OVERLANDER (1947). John Eliot Overlander, M.D. 1909. To assist such needy medical students as may be deemed worthy of assistance by the proper authorities.

CHARLES B. PORTER (1897). William L. Chase.

FLAVIUS SEARLE (1921). Miss Mary L. Searle, in memory of her father. Dr. Flavius Searle. The stipend may be divided.

JOSEPH J. SILBERT (1937). For scholarship or loans to needy students.

ELEANOR B. and CHANNING S. SIMMONS (1954). Scholarships for two needy students.

FRANCIS SKINNER (1905). Francis Skinner, Esq. To be used in small sums to meet the urgent needs of meritorious students in the payment of term-bills or other expenses.

CHARLES PRATT STRONG (1894). Friends and patients of the late Charles Pratt Strong, A.B. 1876, M.D. 1881.

ISAAC SWEETSER (1892). Mrs. Anne M. Sweetser. To be "devoted to the aid of poor students of ability who would not otherwise be able to continue the studies necessary for their profession".

JOHN THOMSON TAYLOR (1899). Mrs. Frederic D. Philips, in memory of her brother, John Thomson Taylor. To be paid to some meritorious undergraduate of the Medical School without regard to his pecuniary circumstances.

WALKER SCHOLARSHIPS (1922). Miss Leslie Walton Walker, four scholarships.

DR. CHARLES WALKER

HELEN L. WALKER

ANNA G. WALKER

LESLIE W. WALKER

ABRAHAM A. WATSON (1923). Miss Catherine E. Walker. For the benefit of students in the Medical School.

MAJOR HARRISON BRIGGS WEBSTER, U.S.A. MEMORIAL (1921). Gift of L. Florence Webster in memory of her son, Class of 1905, to sons of members of that class or to needy student in the Medical School.

EDWARD WIGGLESWORTH (1897). The family of Edward Wigglesworth, A.B. 1861, M.D. 1865.

SCHOOL OF DENTAL MEDICINE SCHOLARSHIPS

THE ALFORD FUND (1785). Mrs. Joanna Alford. "To be used for scholarships for those students who are under low and indigent circumstances."

DWIGHT M. CLAPP (1926). Clara Josephine Clapp in memory of her husband, Dwight M. Clapp, D.M.D. 1882. For the education of a male student born in Massachusetts, preferably one who has a college education or training of a classical character.

THOMAS ALEXANDER FORSYTH (1929). Thomas Alexander Forsyth. Continuous scholarship to two deserving men who have passed the scholarship requirements.

DR. GRACE MILLIKEN FUND (1950). Prize for an outstanding essay on dental health.

EUGENE HANES SMITH (1920). Alumni Association. To be awarded to a third or fourth year student who has been a student in regular standing during the first and second years.

PETER E. STRAUSS (1922). Emily R. M. Strauss. In memory of her husband.

FELLOWSHIPS AND SCHOLARSHIPS AVAILABLE IN OTHER DEPARTMENTS OF THE
UNIVERSITY AS WELL AS IN THE MEDICAL SCHOOL AND SCHOOL OF
DENTAL MEDICINE

Unless otherwise stated, applications should be made, before *February 10*, to the Deans of the Medical School and School of Dental Medicine.

AUSTIN FELLOWSHIPS OR SCHOLARSHIPS (1899). Established under the will of Edward Austin.

JASON S. BAILEY SCHOLARSHIPS. Under the residuary bequest of Jason S. Bailey. To establish scholarships for students in said University.

FRANK B. BAIRD, JR., SCHOLARSHIP (1955). Established by the gift of Frank B. Baird, Jr., Foundation.

ELLEN S. BATES (1929). Established under the will of Ellen S. Bates. To be awarded every third year, with the next award to be made in 1955.

BAXENDALE (1928). Established under the will of Esther M. Baxendale. Preference: (1) descendants of Alan Bedford Hudson; (2) students of the name of Baxendale or Hudson; (3) students from the City of Brockton, Mass., or from the Town of Bourne, Mass.

BRIGHT (1880). Established under the will of Jonathan Brown Bright. For descendants of Henry Bright, Jr., of Watertown, Mass., who bear the name of Bright, registered in any department of the University. If there are no such applicants, the scholarships are available only for undergraduates.

DANIEL A. BUCKLEY (1905). Established under the will of Daniel A. Buckley of Cambridge, Mass. For graduates of Latin, High and other public non-sectarian schools in Cambridge whose parents or guardians cannot afford to pay their college expenses. Awards to undergraduates will be made by the Committee on Scholarships and Financial Aids in Harvard College.

VICTOR EMANUEL CHAPMAN MEMORIAL (1917). Several donors. In memory of Victor Emanuel Chapman, A.B. 1913, killed in World War I. For a French youth (or youths) for study in some department of Harvard University. Nominations are made by the Institute of International Education, Inc., 1 East 67th Street at Fifth Avenue, New York 21, N. Y., and applications should be filed with the Institute before February 1. A student

already enrolled at Harvard should, however, apply through the Dean of his school — final date such applications will be accepted is February 20: February 8 for men in the Graduate School of Arts and Sciences.

JOSEPH HODGES CHOATE MEMORIAL (1919). Harvard Club of New York City. In memory of Ambassador Joseph Hodges Choate, A.B. 1852. Awarded upon the nomination of the Vice-Chancellor of the University of Cambridge, England, to a British subject coming from that University to study in any department of Harvard University.

GEORGE CHASE CHRISTIAN MEMORIAL SCHOLARSHIP (1936). Mrs. George Chase Christian. In memory of her husband, George Chase Christian of the Class of 1895. To be awarded as National Scholarships to residents of Minnesota, for study in any of the graduate and professional schools of Harvard University.

MARK D. CORY SCHOLARSHIP (1954). Established under the will of Mark D. Cory. To be awarded to a worthy student of the Gadsden High School, Gadsden, Alabama. Student to be selected and designated by the faculty of said high school. Administered by the Committee on Scholarships in Harvard College, 20 University Hall.

MYER DANA AND ETTA DANA SCHOLARSHIP OR BENEFICIARY AID (1953). Mrs. Myer Dana. “. . . to provide scholarships or aid . . . to needy and deserving students in the College, Medical School, or Law School. . . .”

CHARLES DOWNER SCHOLARSHIP FUND (1927). Established under the will of Charles Downer, A.B. 1889, LL.B. 1892, and available for students registered in any department of the University. Assignment is to be made, preferably, as follows:

- A. (1) To descendants of Joseph and Robert Downer, of Wiltshire, England, who came to America at about the year 1650, provided such descendants bear the surname of Downer.
- (2) To those of English or Anglo-Saxon stock, bearing the surname of Downer by right of birth or inheritance.

The award to each student whose case comes within the above provision will include enough money to pay, in any academic year, his expenses for tuition, books, food, room, and other incidentals.

- B. If the income from the fund is not in this manner wholly used, awards shall be made to those students who are *descendants of members of the Class of 1889* who are in need of assistance. The amount of such scholarships shall be determined by the Authorities as the necessities of the students may require.
- C. Whenever there is a balance of income not used as specified above, then awards shall be made to *those students who are residents of the State of Vermont*. The amount of such scholarships shall, in all cases, be fixed by the Authorities.

D. If there shall be at any time a balance of income not used as specified above, then awards shall be made to students who are worthy of assistance and of high scholarship, preference to be given to

- (1) Descendants of graduates of Harvard College, and
- (2) To those "of that old Anglo-Saxon stock which has gone forth from New England into all parts of the United States and has been the means of giving strength and stability and character to our government."

Or, any balance of income remaining after the award of scholarships as specified in paragraphs A, B, and C above may be used for Fellowships for Harvard graduates of high scholarship and of rare and unusual ability who are pursuing special work either at Harvard or at any American or foreign university or school.

JOSEPH EVELETH (1896). Established under the will of Joseph Eveleth. For students in any department of the University.

GAGE SCHOLARSHIP (1948). Established under the will of Dr. Homer Gage. "For one or more scholarships in such departments of the University as the said President and Fellows may determine."

JEAN GAILLARD MEMORIAL FELLOWSHIP (1946). Established in memory of Jean Gaillard, a student of the Ecole Centrale des Arts et Manufactures in Paris, who served as an Aspirant in the French Air Forces, was arrested by the German Gestapo, and died in the German concentration camp at Ravensbrueck April 16, 1945, a victim of Nazi inhumanity. For a French youth for study in any department of Harvard University or of the Massachusetts Institute of Technology. The incumbent from year to year is to be nominated by the Board of Directors of the Ecole Centrale des Arts et Manufactures in Paris.

JOHN TYLER HASSAM (1941). Established under the will of Eleanor Hassam in memory of her father, John Tyler Hassam, A.B. 1863.

LEWIS AND HARRIET HAYDEN (1894). Established under the will of Mrs. Harriet Hayden. Open to colored students in the Medical School, the School of Public Health, and the Dental School. May be divided. Applications should be addressed to the respective School. If not awarded in these Schools, this scholarship is open to colored students in any department of the University.

CHARLES W. HOLTZER (1929). Established under the will of Charles W. Holtzer. For students of German birth who have received their preliminary education in German institutions of learning.

EDWARD WILLIAM HOOPER MEMORIAL (1905). The gift of friends of Edward W. Hooper, 1859. For one or more fellowships in any Department of the University.

CHARLES LLOYD HUFF SCHOLARSHIP (1949). Established under the will of Anna Elizabeth Huff. Income assigned to Harvard College.

SINCLAIR KENNEDY FUND (1948). Established by Mrs. Rae B. Kennedy. For grants to young men for travel and residence outside the United States. Awarded on recommendation to the Committee from the various Departments and Schools. Nominations due *February 1*. Not open to competition by undergraduates, including graduating seniors in Harvard College.

FRANK KNOX MEMORIAL FELLOWSHIPS (1948). Established by Mrs. Frank Knox in memory of her husband, Colonel Frank Knox, LL.D. (hon.) Harvard, 1942, Secretary of the United States Navy, 1940-44. To be awarded annually:

1. To a student or students chosen from any one of the following nations included in the British Commonwealth: the United Kingdom, the Union of South Africa, Canada, Newfoundland, Australia, and New Zealand, who shall devote a major part of the period of his study in any one of the Faculties of Harvard University. Nominations are ordinarily made to the Committee by the Advisory Selection Committee of The Association of Universities of The British Commonwealth in London, England. The award for 1953-54 will be made to a student from Great Britain.
2. To a recent graduate of Harvard College or to a student having completed at least one year of study in one of Harvard University's graduate Faculties for study in any one of the nations in the British Commonwealth as stated above.

Candidates shall be selected on the basis of future promise of leadership, strength of character, keen mind, a balanced judgment, and a devotion to the democratic ideal.

ARTHUR LEHMAN FUND (1936). Established in memory of Arthur Lehman of the Class of 1894. For fellowships in the graduate and professional schools only of Harvard University.

HORACE LOUIS LEITER MEMORIAL SCHOLARSHIP (1955). Established under the will of Mrs. Marietta D. Leiter in memory of her husband, Dr. Horace Louis Leiter, 1900. For scholarships for deserving students.

LINCOLN (1876). Established under the will of Miss Levina Hoar. Preference: students from Lincoln, Mass., registered in any department of the University. If there are no such applicants, the scholarship is available only for an undergraduate.

CHARLES R. LOWELL AND ANNA L. LOWELL SCHOLARSHIP (1949). Established under the will of Anna L. Woodbury. Income assigned to Harvard College.

JAMES J. LOWELL AND ANNA L. WOODBURY SCHOLARSHIP (1949). Estab-

lished under the will of Anna L. Woodbury. Income assigned to Harvard College.

FRANCES E. MARKOE RESIDUARY BEQUEST (1944). Established under the will of Frances E. Markoe. The income of her residuary bequest to Harvard University to be used "for the establishment of scholarships".

JOHN PARKER (1873). Established under the will of John Parker. For students and graduates of all Departments of the University devoting themselves to the study of one of the natural sciences. The income is assigned on recommendation to the Committee from the various Departments and Schools.

FREDERICK E. PARLIN (1928). Established under the will of Albert Norton Parlin. Preference: natives of Malden or Everett, Mass.

WILLIAM PENNOYER BEQUEST (1670). Established under the will of William Pennoyer of England, for two fellows and two scholars; one preferably to be a descendant of Robert Pennoyer (a brother of William) and the other . . . [from] . . . New Haven [Colony]. Preference to be given to undergraduate descendants, and if no undergraduates apply, graduate student descendants will be eligible for consideration. Administered jointly by Committee on Scholarships and Financial Aids in Harvard College and Committee on General Scholarships and the Sheldon Fund.

ARISTIDES EVANGELUS PHOUTRIDES (1925). Friends of Aristides Evangelus Phoutrides, A.B. 1911, Ph.D. 1915. Available for student of Greek birth or of Greek parentage in any department of the University.

PRINCETON (1910). An alumnus of Princeton University. Preference: a graduate of Princeton University who desires to enter one of the graduate departments of Harvard University. Application should be made to the Dean of the Graduate School of Princeton University before February 10.

LEON W. REDPATH (1938). Established under the will of Mrs. Ellis W. Redpath in memory of her son Leon W. Redpath, A.B. 1898. For deserving students from the State of Ohio, with preference to students from Stark and Tuscarawas Counties.

FRANKLIN REYNOLDS (1925). Established under the will of John F. Reynolds. For students in any department of Harvard University and Radcliffe College who are natives of Marblehead, Mass. Graduate students should submit applications directly to the Committee on Scholarships in Harvard College, 20 University Hall.

JAMES A. RUMRILL (1909). Mrs. James A. Rumrill, in memory of James Augustus Rumrill, A.B. 1859. For a properly qualified graduate of a college or university in Virginia, North Carolina, South Carolina, Florida, Georgia, Tennessee, or Kentucky, who desires to study in one of the graduate departments of Harvard University. The selection of the incumbent

is to be made on the advice of the President and Faculty of the institution from which the student comes.

PETER BROOKS SALTONSTALL '43 MEMORIAL FELLOWSHIP (1947). Established by Senator Leverett Saltonstall in memory of his son, Peter B. Saltonstall. To assist a worthy student from the Hawaiian Islands and those islands west of Hawaii, including New Zealand, the Fiji Islands and Australia, in obtaining an education in any department of the University. The purpose of this memorial is to further the education, the health and welfare of the peoples inhabiting the above named regions of the far Pacific. The stipend shall be set to supplement the holder's income sufficiently to defray all his basic expenses of tuition, board and room, and in certain instances some travel allowance may be included. Applications due February 1.

ERNEST FREDERICK SLATER SCHOLARSHIP (1955). Under the will of Ernest F. Slater. The income to be awarded as scholarships to qualified residents of the city of Orangeburg, South Carolina, in any of the schools or departments of Harvard University; preference to be given to young men who are descendants by birth or adoption of Edward Frederick Slater. No scholarship will be awarded to students in their first year at the University whether as undergraduates or graduates.

CHARLES H. SMITH BEQUEST (1947). Established under the will of Charles H. Smith. For "the payment of scholarships . . . to students for the time being in said University who shall be graduates from any of the High Schools of the City of Providence; and if there shall at any time, be no such students in said University, then to such other students in said University. . .".

STOUGHTON (1701). Established under the will of Lieutenant Governor William Stoughton, A.B. 1650. Preference: (1) students from Dorchester, Mass.; (2) students from Milton, Mass.

AUGUSTUS CLIFFORD TOWER (1927). Established under the will of Augustus Clifford Tower. One fellowship to be awarded annually to a graduate of Harvard College for study in a French University, preference to be given to a student of Anglo-Saxon descent; the other to be awarded annually to a French student for study in any graduate department of Harvard University. Nominations for study at Harvard are made by the Institute of International Education, Inc., 1 East 67th Street at Fifth Avenue, New York 21, N. Y., and applications should be filed with the Institute before February 1. A student already enrolled at Harvard should, however, apply through the Dean of his school—final date such applications will be accepted is February 20; February 8 for men in the Graduate School of Arts and Sciences.

THOMAS E. UPHAM CLASS OF 1868 FUND (1939). May be granted annually to a graduate of Harvard College in any department or school of

Harvard University who may give evidence of a desire to prepare himself "to serve his country in public offices of trust and responsibility in the gift of the people".

ANNA VAUGHN FOUNDATION (1935). Established under the will of John Vaughan, A.B. 1879. For students who are pursuing studies in any biological science.

SARAH L. VIEHMANN (1936). Established by Henry Bluestone (A.B. 1906) in memory of his mother, Sarah L. Viehmann.

1902 WORLD WAR MEMORIAL (1923). Established by the Class of 1902, in memory of their classmates, André Cheronnet Champollion and Edward Ball Cole, who were killed in World War I, and Elbert Walker Shirk, who died in 1919. Preference: (1) sons of 1902 men killed in World War I; (2) descendants of the members of the Class of 1902. Open to students in any department of the University, with preference to undergraduates.

JENS AUBREY WESTENGARD FUND (1954). Established under the will of Rebecca Aubrey Westengard. "The income is to be applied . . . to the further education of students of promise and standing in any department of the University by providing them with facilities for further education in Europe, Britain or South America, by travel or study, or to the further education of students of promise and standing in any of those countries, by providing them with facilities for further education by travel and study in this country, preferably by study in some department of Harvard University." Students enrolled in, or expecting to enroll in, the Law School should ordinarily apply for the Jens Iverson Westengard Fund administered by that school.

THE JEFFRIES WYMAN SCHOLARSHIP (1924). Established under the will of Mary Wyman Davis in the name of Susan Wyman and Mary Wyman Davis. To be awarded to a student recommended by the Hersey Professor of Anatomy, the James Stillman Professor of Comparative Anatomy, and the Director of the Museum of Comparative Zoology. Preference to be given to a student of Anatomy in any graduate department of the University.

PRIZES

ISAAC ADLER (1934). Frida Adler. To be awarded once in three years for the best piece of original research within that period in the United States or Canada on any subject within the medical or allied sciences.

BOYLSTON FUND FOR MEDICAL PRIZES (1803). Dr. Ward Nicholas Boylston. A prize or prizes not to exceed \$100 annually. The medical, anatomical, physiological or chemical subject of the thesis to be determined by a Committee.

HENRY ASBURY CHRISTIAN (1937). Dr. Samuel A. Levine. To be awarded annually on or about the seventeenth of February, which is Dr. Christian's

birthday, to the student in the Fourth Year Class who has displayed diligence and notable scholarship in his studies and offers promise for the future.

JAMES TOLBERT SHIPLEY (1952). Harriet S. Parker. To be used as a prize for some problem in research by a medical student, to be designated as the James Tolbert Shipley Prize in Medicine. The Dean to designate the award and the research to be conducted.

LOAN FUNDS

Apply at Dean's Office

Funds have been established to which students who are in need of money may make applications for loans.

In case of unforeseen emergency, loans may be made at any time. Loans are made to meet term-bills and cash is provided rarely.

Interest at the rate of 1% per year will be charged on loans, chargeable on the first of July and continuing at this rate until the July 1st subsequent to the completion of three years following a borrower's graduation from the School. Thereafter, interest at the rate of 4½% per year will be charged annually on July 1st on outstanding loans.

In cases where the student borrower, for any reason, leaves the School prior to graduation, interest at the rate of 1% will be charged from the date of loan until the date of separation from the School and interest at the rate of 4½% will be charged thereafter.

Notes are payable at any time but become due on July 1st five years after graduation.

MEDICAL SCHOOL

FRANK W. AND CARL S. ADAMS MEMORIAL LOAN FUND (1955). Established by the Charles E. and Caroline J. Adams Trust as a revolving loan fund.

DAVID L. EDSALL REVOLVING LOAN FUND (1928). Dr. Frederick C. Shattuck established this fund by gift of \$100,000 to be used as a revolving loan fund.

CHARLES WILLIAM ELIOT LOAN FUND (1924). Given anonymously in honor of PRESIDENT ELIOT. Principal and interest to be used for loans to students in the Medical School.

HARVARD WAR LOAN (1920). **HARRIET P. KEITH LOAN (1921).** **FRANCIS I. PROCTOR AID FUND (1942).** Harvard Medical School Loan (1954).

SCHOOL OF DENTAL MEDICINE

CHRISTIAN SOLDIER LOAN FUND (1925). Established by Miss Caroline F. Anderson for the benefit of needy and deserving students.

DENTAL ALUMNI LOAN FUND (1927). Dental Alumni Association and

Classes of 1900, 1901, 1902, 1904, 1905, 1906 and 1908. To aid any deserving students who require financial assistance.

LUCINDA DAVIS FERNALD FUND (1936). Established by Dr. Adelbert Fernald for the benefit of deserving New England born students of good character.

ROBERT T. MOFFATT FUND (1925). Given by Dr. Robert T. Moffatt for the benefit of deserving students in need of financial aid.

LECTURESHIPS

The Edward K. Dunham Lectures for the promotion of the medical sciences have been given annually since 1923 by eminent investigators and teachers in one of the branches of the medical sciences or of the basic sciences which contribute toward the advance of medical science in the broadest sense. The lectures are open to the Faculty and students of the Harvard Medical School and College and all other interested professional persons. The lectures are given under the fund established for that purpose by Mary Dows Dunham in memory of her husband, Dr. Edward K. Dunham.

The George W. Gay Lectures upon Medical Ethics are given annually at the Harvard Medical School. The fund for the establishment of these lectures was given in 1917 by Dr. George W. Gay.

The Alpha Omega Alpha Lecturer is to be nominated each year by the Alpha Omega Alpha Society. The honorarium and expenses of the lectureship to be supported from the fund established by the Society in 1952.

The Hanns Sachs Lectures in the field of Freudian psychoanalysis are supported by a gift in memory of Dr. Sachs. One or more may be given in any year.

The Dr. Andrew Yeomans Lectureship Fund has been established by members of the Class of 1934 and the Class of 1935 and friends in memory of Dr. Yeomans. Lectures are to be given annually and the lecturer will be chosen from young clinicians in the fields of clinical research by a committee named by the donors.

THE CANCER COMMISSION OF HARVARD UNIVERSITY

Under the will of the late Mrs. Caroline Brewer Croft a sum of money was received in 1899 for the investigation of the cause and treatment of cancer. Since that time other sums have been contributed for cancer research and the Cancer Commission of Harvard University has been organized.

The Commission supports the Huntington Hospital beds, out-patient department, and cancer research laboratories at the Massachusetts General Hospital. It makes grants in aid to various departments of the University carrying on investigation on the cancer problem, and provides a service for pathologi-

cal examination and diagnosis of tumor tissue for the State of Massachusetts. This service was transferred in 1951 from the buildings of the Harvard Medical School to laboratories made available to the Cancer Commission in the newly constructed Cancer Institute of the New England Deaconess Hospital. This move facilitates the Commission's interest in research in pathology and provides for close integration of the activities at the New England Deaconess Hospital and the cancer control activities of the Harvard Medical School and the Harvard School of Public Health.

The functions of the Cancer Commission are exercised by the Committee on Research and Development which is made up of the following members: Nathan Marsh Pusey, Chairman; George Packer Berry, McGeorge Bundy, Roy Orval Greep, Edward Reynolds, James Robbins Reynolds, John Crayton Snyder, Henry Coe Meadow, Executive Secretary.

RESEARCH FUNDS

Application for support of investigations falling within the scope of any of the following research funds should be sent to the Dean.

REAR ADMIRAL W. L. CAPPS FUND

In 1949 a bequest was received from Edna Ward Capps to be known as the Rear Admiral W. L. Capps Fund, the income from which, under certain circumstances, to be used broadly for the cure and treatment of persons afflicted with diabetes.

PROCTOR FUND

A bequest of fifty thousand dollars by Ellen Osborne Proctor, for the purpose of promoting the study of chronic diseases, subsequently has been increased by an additional fifty thousand dollars from another member of the Proctor family. The income of this fund is to be devoted to investigations into the nature and treatment of chronic diseases and the care of persons afflicted with these diseases while in hospitals for such investigations. Arthur T. Hertig, M.D., is Chairman of the Committee administering the income from this fund.

WILLIAM W. WELLINGTON FUND

In 1925 a bequest was received from William H. Wellington to establish the "William W. Wellington Memorial Research Fund". The income of this fund is to be applied for research concerning the etiology and therapeutics of the diseases of man. Arthur T. Hertig, M.D., is Chairman of the Committee administering the income from this fund.

COURSES FOR GRADUATES

The object of this department of the Medical School is to offer to graduates in Medicine opportunities to continue their studies in a thorough and scientific manner.

For information concerning courses offered, the *Catalogue of Courses for Graduates* should be consulted.

Facilities at the Harvard Medical School and the abundant clinical opportunities in the various hospitals are available for graduate instruction. Eugene C. Eppinger, M.D., Assistant Dean, is in charge.

SCHOOL OF PUBLIC HEALTH

The School of Public Health is one of the graduate schools of the University. Its purpose is to provide training and research opportunities to those interested in community health problems. Courses are given in sciences basic to community health work, such as biostatistics, epidemiology, and the public health aspects of microbiology, nutrition and physiology. The community application of health knowledge is also discussed in general and as it concerns special fields such as maternal and child health, industrial health, tropical public health, medical care, mental health, chronic disease control, geriatrics, health education, public health nursing, public health social work, sanitation, etc.

Much of the teaching and research activity of the School is concerned with international health problems and the preparation of people for work in this field.

Courses may be taken singly on approval of the head of the department concerned. For further information, apply to the Secretary of the School at 55 Shattuck Street.

OPPORTUNITIES FOR RESEARCH

The research laboratories of the Medical School and its associated hospitals offer to students exceptional opportunities for training in research. Medical students with a special interest in some branch of the medical sciences or who wish to become familiar with investigative and research methods may devote their spare time to intensive work on a well defined problem. Such research may be conducted on a completely informal basis by mutual arrangement between the students and a member of the teaching staff, or under the Tutorial System.

The **Tutorial System** was established in 1923 for the specific purpose of encouraging and facilitating research by undergraduate medical students. There are three Tutors, one in the Preclinical Sciences, one in Medicine,

and one in Surgery, to guide students into research in those fields. Students interested in research under the Tutorial System should consult the Tutor in Preclinical Sciences, who will assist them in being placed with the member of the Faculty best fitted for their particular needs. This may be done at any time, but preferably during the second semester of the first year. It is thereby possible for students to pursue a particular line of investigation under the guidance of a faculty member throughout their first three years of medical school. In addition, the Tutors will arrange series of seminars for students of each class who are interested in research.

In the fourth year, the Faculty permits students who have shown promise in extracurricular research to devote a considerable portion of their time to a specific problem in one of the basic medical sciences or major clinical division. This privilege is granted to not more than fifteen per cent of any class and only to students who rank in the upper half of their class. Students seeking this privilege should apply in writing before March 1 of their third year to the Chairman of the Tutorial System, stating their plan of work. This plan must be approved by the Tutors, acting as a committee, and by the man under whose guidance the actual work will be done. Each application is then considered individually by the Administrative Board for final approval on recommendation of the members of the Tutorial System. If the application is approved, the student may have four to six months of his fourth year free to engage in research.

PREDOCTORAL FELLOWSHIPS

The Faculty permits students to withdraw from their formal medical training after the first, second, or third years to pursue research intensively for a year. A number of predoctoral fellowships are available for the support of such research training. Students interested in availing themselves of this opportunity should inquire of the Chairman of the Tutorial Committee.

THE UNDERGRADUATE ASSEMBLY

The Undergraduate Assembly, held late in the spring of each year under student auspices, provides an opportunity for students from all classes to present formally the results of their investigations to the students and Faculty of the Medical School. The Soma Weiss Award is made at this meeting.

DIVISION OF STUDIES

TOTAL NUMBER OF HOURS FOR EACH SUBJECT

FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
Anatomy 280	Bacteriology 200	Medicine 213	Medicine 288
Histology 280	Pathology 357	Dermatology 37	Surgery 288
Physiology 256	(including Parasitology and Neuropathology)	Neurology 39	Obstetrics 144
Biochemistry 256	Pharmacology 160	Psychiatry 44	Pediatrics 144
Medical Psychology 16	Laboratory Diagnosis 100	Ophthalmology 32	Psychiatry 144
	Physical Diagnosis . 145	Surgery 181	Elective 144
	Surgery 100	Gynecology 33	
	Obstetrics 12	G. U. Surgery 27	
	Neurology and Psychiatry 16	Laryngology 33	
		Otology 32	
		Orthopedic Surgery 38	
		Obstetrics 128	
		Pediatrics 68	
		Preventive Medicine . 135	
		Legal Medicine 12	

ANNOUNCEMENT OF COURSES *

The "Announcement of Courses" comprises a statement by each department as to its general plan of instruction and its various required exercises, followed by a résumé of the Fourth Year Elective Courses and the Voluntary Courses.

Each student in the fourth year must secure credit for eight one-month courses of 144 hours or their equivalent. Required courses fill seven months' time, leaving one month free for elective work. In the following statements whole courses have a value of 144 hours and half-courses of 72 hours.

An opportunity for voluntary work is offered to second and third year students on Tuesday and Thursday afternoons. It is believed that upperclassmen will welcome a chance to keep in touch with the most recent developments in the fundamental sciences; that an interest in certain fundamental subjects will have been aroused by their clinical work; or that they may feel the desire for additional training on some point. Students are not required or even asked to take this work. It is entirely a voluntary matter, and no credit will be given.

There are also opportunities for association with voluntary groups interested in studying the more general aspects of medicine, including the economic, social and historical aspects.

Abbreviations used in the following pages, and in the tabular views:

B.C.H.	= Boston City Hospital.	M.G.H.	= Massachusetts General Hospital.
B.I.H.	= Beth Israel Hospital.	M.I.T.	= Massachusetts Institute of Technology.
B.L.I.H.	= Boston Lying-in Hospital.	Mt.A.H.	= Mount Auburn Hospital.
B.P.H.	= Boston Psychopathic Hospital.	N.E.D.H.	= New England Deaconess Hospital.
C.M.C.	= Children's Medical Center.	P.B.B.H.	= Peter Bent Brigham Hospital.
F.H.W.	= Free Hospital for Women.	P.L.I.	= Providence Lying-in Hospital.
H.M.S.	= Harvard Medical School.	S.D.M.	= School of Dental Medicine.
H.M.H.	= Haynes Memorial Hospital.	S.P.H.	= School of Public Health.
L.I.H.	= Long Island Hospital.	W.R.V.A.H.	= West Roxbury V.A. Hospital.
McL.H.	= McLean Hospital.		
M.E.E.I.	= Massachusetts Eye and Ear Infirmary.		

Anatomy

GEORGE B. WISLOCKI, M.D., S.D. (hon.) *Hersey Professor of Anatomy and James Stillman Professor of Comparative Anatomy, and Head of the Department.*

FRANKLIN F. SNYDER, M.D., *Associate Professor of Anatomy and Obstetrics.*

EDWARD A. EDWARDS, M.D., *Associate Clinical Professor of Anatomy.*

RUSSELL J. BARNETT, M.D., *Assistant Professor of Anatomy.*

GEORGE E. ERIKSON, PH.D., *Assistant Professor of Anatomy.*

JESSE F. SCOTT, M.D., *Assistant Professor of Anatomy.*

* Special pamphlets are issued describing the opportunities for elective and voluntary work and outlining the conditions under which such work may be undertaken.

AARON J. LADMAN, PH.D., *Associate in Anatomy.*

HELEN A. PADYKULA, PH.D., *Associate in Anatomy.*

LEON P. WEISS, M.D., *Associate in Anatomy.*

CLARENCE J. GAMBLE, M.D., *Research Associate in Anatomy* (on leave of absence October 1955–March 1956).

CHARLES P. LYMAN, PH.D., *Research Associate in Anatomy.*

PATRICK D. WALL, M.B., CH.B., *Instructor in Anatomy.*

RICHARD MAYO, M.D., *Assistant in Anatomy* (resigned January 31, 1956).

ROBERT RICHARDS, M.D., *Assistant in Anatomy* (resigned January 31, 1956).

MARIO HECTOR BURGOS, M.D., *Research Fellow in Anatomy* (resigned August 31, 1955).

JOHN HERMAN LUFT, M.D., *Research Fellow in Anatomy.*

WILLARD D. ROTH, PH.D., *Research Fellow in Anatomy.*

WALTER E. KLINGENSMITH, M.D., *Teaching Fellow in Anatomy* (resigned January 31, 1956).

Affiliated:

ROY O. GREEP, PH.D., *Professor of Anatomy in the School of Dental Medicine.*

A. SCOTT EARLE, M.D., *Teaching Fellow in Surgery.*

In the Department of Anatomy, instruction is given in gross human anatomy, histology, neurology, and embryology. Opportunities are also afforded for advanced work and investigation in these subjects.

The department occupies the Morgan Anatomical Building, the dissecting rooms, being in the wing designated BI, and the laboratories for histology and embryology in the wing BII. There are separate rooms for fourth year and graduate students and for various kinds of technical work. The class work is carried on by sections in unit rooms, designed to accommodate either twelve or twenty-four students. There is a large library which contains complete files of the most important anatomical and morphological journals, together with many standard works of reference, and in an adjoining room there is a collection of about fifteen thousand pamphlets. A card catalogue and a classified bibliography give ready access to the literature.

The embryological collection is a unique feature of the laboratory. It comprises about twenty-three hundred series of sections of carefully selected vertebrate embryos, and affords therefore opportunities for research in comparative embryology such as cannot be found elsewhere. The collection includes eighty series of sections of human embryos.

REQUIRED COURSES

ANATOMY A AND B. *First Year.*—The courses of the first year are intended to teach human anatomy, both gross and microscopic, together with

the essentials of human embryology and neurology. Half of the time is devoted to work in the dissecting rooms, the other half to work in the histological laboratories.

In the study of gross anatomy, students make a complete dissection of one half of the human body, and all of the class dissect the same part at the same time. Four students will be assigned to the same subject, and will work together during the course. The study of the skeleton is carried on with the dissection, and each student will be provided with a box of bones which may be kept throughout the course. There will be lectures or demonstrations which will serve to emphasize the clinical application of gross anatomical relations and to teach certain aspects of human biology not adequately treated in the textbooks. Special dissections made by prosectors from the second year class, frozen sections, and various anatomical specimens and preparations will be displayed to supplement the student's own dissections. Students are urged to examine these specimens carefully, and to discuss them informally with the instructors. Students will be quizzed from time to time on their work in the laboratory by the instructors in charge of their section.

The part of the course dealing with microscopic anatomy is designed to give the student a familiarity with the normal appearances of cells, tissues and organs. As much as is possible in a brief course, the development of tissues and organs is stressed. Opportunity is also given for the study of fresh tissues. The use of fresh tissues is intended to acquaint the student with the structure of living cells and with evidence of cellular functions. Numerous demonstrations are given to present the range of histological technique, including cytological and histochemical preparations. Pictures obtained with the electron microscope are placed on display.

The last five weeks of the course of microscopic anatomy are devoted to the study of the central nervous system. The student is given an opportunity to become familiar with the positions and relations of the principal nuclei and tracts of the nervous system by the study of gross specimens and of serial sections through the brain stem. Emphasis is laid on the anatomico-physiological point of view. The department owns exceptionally valuable neurological material for both teaching and research, including two entire human brains cut serially in the transverse and horizontal planes, with the sections alternately stained by the Pal-Weigert and Nissl methods.

FIRST YEAR

HOURS

Lectures. Drs. WISLOCKI, GREEP, ERIKSON, EDWARDS, BARNETT, SCOTT, PADYKULA, LADMAN, WEISS, LUFT and ROTH. <i>Six lectures a week, first half-year.</i>	96
Demonstrations. <i>To sections of the class, at the pleasure of the instructors.</i>	
Laboratory work. <i>Twenty-nine hours a week, first half-year.</i>	464

FOURTH YEAR ELECTIVE COURSES

1. Surgical Anatomy. Dr. EDWARDS and Associates. Whole course, one month.
20. Investigation. Dr. WISLOCKI and Associates. Opportunities are offered for students who wish to do special or advanced work.

VOLUNTARY COURSE

30. Clinical Introduction to Anatomy. M.G.H., B.C.H., P.B.B.H., B.I.H. and C.M.C. Saturdays, 9 a.m. to 12 m., first half-year. Open to first year students. (same course as Surgery 31)

These clinics serve to introduce the first year student to the patient. Whenever possible, the clinics are arranged with reference to the anatomical dissection. The subject matter is not limited to gross anatomy, however, and the clinics cover a wide range of topics in medicine, surgery, obstetrics and pediatrics.

Physiology

EUGENE M. LANDIS, M.D., PH.D., S.M. (hon.), *George Higginson Professor of Physiology and Head of the Department.*

JOHN R. PAPPENHEIMER, PH.D., *Career Investigator of the American Heart Association and Visiting Professor of Physiology.*

A. CLIFFORD BARGER, M.D., *Associate Professor of Physiology.*

EDGAR L. GASTEIGER, JR., PH.D., *Assistant Professor of Physiology.*

ELWOOD HENNEMAN, M.D., *Assistant Professor of Physiology and Ella Sachs Plotz Fellow.*

* ARTHUR K. SOLOMON, PH.D., DR. PHIL., *Assistant Professor of Physiological Chemistry.*

ERNEST KNOBIL, PH.D., *Associate in Physiology.*

JOSEPH R. BLAIR, M.D., *Research Associate in Physiology (resigned August 31, 1955).*

RICHARD P. DURBIN, PH.D., *Research Associate in Physiology.*

HISATO YOSHIMURA, M.D., *Research Associate in Physiology (resigned August 31, 1955).*

MELVIN J. FREGLY, PH.D., *Instructor in Physiology.*

WILLIAM B. KINTER, A.B., *Instructor in Physiology.*

FRANCIS E. YATES, M.D., *Instructor in Physiology.*

HOWARD S. FRAZIER, PH.D., M.D., *Research Fellow in Physiology.*

STANLEY N. ROKAW, M.D., *Research Fellow in Physiology (resigned September 30, 1955).*

* Appointment under the Committee on Medical Research in Biophysics.

DONALD H. WALTERS, M.D., *Research Fellow in Physiology.*

Affiliated:

JEAN MAYER, PH.D., D.Sc., *Assistant Professor of Nutrition, S.P.H.*

REQUIRED COURSE

PHYSIOLOGY A. First Year.—The lectures of this course are designed to acquaint the student with the more fundamental aspects of physiology and to consider in detail those portions of the subject that are essential to an understanding of the phenomena of health and disease in man.

By means of laboratory exercises the student is introduced as rapidly as possible to the observational methods and techniques available for studying function in man. Then equal emphasis is placed upon exercises illustrating in animals the experimental procedures employed for the detailed analysis of function and for the acquisition of a fundamental knowledge of physiology.

Conferences and demonstrations supplement the more formal instruction.

FIRST YEAR

HOURS

Lectures and Laboratory work. Drs. LANDIS, BARGER, GASTEIGER, HENNE-
MAN, FREGLY, KINTER, KNOBIL and YATES. *Three days a week,
second half-year.*

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FOURTH YEAR ELECTIVE COURSES

20. Physiological Investigation. Dr. LANDIS and Associates. Students will not ordinarily be received for less than two months.
21. Use of Isotopes in Biological Research. Dr. A. K. SOLOMON. Investigation not less than one full course. For admission consult Dr. SOLOMON directly.

Biological Chemistry

A. BAIRD HASTINGS, PH.D., S.D. (hon.), *Hamilton Kuhn Professor of Biological Chemistry and Head of the Department.*

ERIC G. BALL, PH.D., S.B. (hon.), *Professor of Biological Chemistry.*

CYRUS H. FISKE, M.D., *Professor of Biological Chemistry.*

FRITZ A. LIPMANN, M.D., DR. PHIL., *Professor of Biological Chemistry at the Massachusetts General Hospital.*

JOHN L. ONCLEY, PH.D., *Professor of Biological Chemistry.*

JORDI FOLCH-PI, M.D., *Associate Professor of Biological Chemistry at the McLean Hospital (Massachusetts General Hospital).*

LEWIS L. ENGEL, PH.D., *Assistant Professor of Biological Chemistry at the Massachusetts General Hospital.*

- MANFRED L. KARNOVSKY, PH.D., *Assistant Professor of Biological Chemistry.*
 WALTER E. KNOX, M.D., *Assistant Professor of Biological Chemistry at the
 New England Deaconess Hospital.*
 BARBARA W. LOW, DR.PHIL., *Assistant Professor of Physical Chemistry (Fac-
 ulty of Arts and Sciences).*
 F. LEE RODKEY, PH.D., *Edward S. Wood Assistant Professor of Biological
 Chemistry.*
 * ARTHUR K. SOLOMON, PH.D., DR.PHIL., *Assistant Professor of Physiologi-
 cal Chemistry.*
 DOUGLAS M. SURGENOR, PH.D., *Assistant Professor of Physical Chemistry
 (Faculty of Arts and Sciences).*
 CLAUDE A. VILLEE, JR., PH.D., *Assistant Professor of Biological Chemistry
 and Tutor in the Preclinical Sciences.*
 DAVID H. ELWYN, PH.D., *Associate in Biological Chemistry.*
 THEODORE PETERS, JR., PH.D., *Associate in Biological Chemistry (resigned
 August 31, 1955).*
 FRED M. SNELL, M.D., PH.D., *Associate in Biological Chemistry.*
 CORNELIUS F. STRITTMATTER, 4TH, PH.D., *Associate in Biological Chemistry.*
 ADELBERT AMES, 3RD, M.D., *Research Associate in Biological Chemistry.*
 JAMES ASHMORE, PH.D., *Research Associate in Biological Chemistry.*
 BILLY BAGGETT, PH.D., *Instructor in Biological Chemistry.*
 MYRON BRIN, PH.D., *Instructor in Biological Chemistry.*
 THOMAS E. THOMPSON, PH.D., *Research Fellow in Biological Chemistry
 (resigned January 15, 1956).*
 JOHN K. INMAN, S.B., *Teaching Fellow in Biological Chemistry.*
 MARTIN J. NEMER, A.M., *Teaching Fellow in Biological Chemistry.*
 JEAN P. REVEL, S.B., *Teaching Fellow in Biological Chemistry.*

Research Appointments in Biological Chemistry

- GEORGE HAUSER, PH.D., *Research Associate in Biological Chemistry.*
 MARGARET J. HUNTER, PH.D., *Research Associate in Biological Chemistry.*
 ROGER W. JEANLOZ, D.SC., *Research Associate in Biological Chemistry.*
 CHARLES V. ROBINSON, PH.D., *Research Associate in Biological Chemistry.*
 CLARA B. SHOEMAKER, PH.D., *Assistant in Biological Chemistry.*
 GEORGE F. CAHILL, JR., M.D., *Research Fellow in Biological Chemistry.*
 DAVID G. CORNWELL, PH.D., *Research Fellow in Biological Chemistry.*
 DWAIN D. HAGERMAN, M.D., *Research Fellow in Biological Chemistry.*
 JAY H. KATZ, M.D., *Research Fellow in Biological Chemistry.*
 ALAN KELTZ, PH.D., *Research Fellow in Biological Chemistry (resigned
 August 31, 1955).*
 HUGO W. MOSER, M.D., *Research Fellow in Biological Chemistry.*

* Appointment under the Committee on Medical Research in Biophysics.

PETER R. PINNOCK, PH.D., *Research Fellow in Biological Chemistry.*

ELENA VILLARAMA, S.B., *Research Fellow in Biological Chemistry.*

Affiliated:

FREDRICK J. STARE, PH.D., M.D., *Professor of Nutrition, S.P.H.*

D. MARK HEGSTED, PH.D., *Associate Professor of Nutrition, S.P.H.*

JAMES H. SHAW, PH.D., *Associate Professor of Biological Chemistry in the School of Dental Medicine.*

GEORGE NICHOLS, JR., M.D., *Associate in Medicine.*

JIN H. KINOSHITA, PH.D., *Instructor in Biological Chemistry in the Howe Laboratory.*

REQUIRED COURSE

BIOLOGICAL CHEMISTRY A. *First Year.*—The lectures in this course consist of a brief discussion of the theories of chemical constitution and a survey of those classes of chemical substances which are to be found in animals and plants, and of the general principles and more important facts of physiological chemistry.

The laboratory practice is designed to acquaint the student with some of the more important constituents of living matter and their chemical behavior, and with some of the routine methods of biochemical investigation.

Conferences and discussions of selected topics supplement the main work of the course.

FIRST YEAR	HOURS
Lectures and Laboratory work. Drs. HASTINGS, BALL, STARE, HEGSTED, ENGEL, KARNOVSKY, KNOX, RODKEY, SURGENOR, VILLEE, ELWYN, SNELL, STRITTMATIER and Associates. <i>Three times a week, second half-year.</i>	256

FOURTH YEAR ELECTIVE COURSES

20. Biological Chemistry and Nutrition. Drs. HASTINGS, BALL, STARE and Associates. An opportunity is offered for special study in advanced biological chemistry and nutrition for one or more months. Arrangement for work may be made by consultation with members of the staff.
21. Use of Isotopes in Biological Research. Dr. A. K. SOLOMON. Investigation not less than one full course. For admission consult Dr. SOLOMON directly.
22. Research in the Chemistry of Biological Substances and Systems. Drs. ONCLEY, SURGENOR and Low. Investigation. Not less than one full course.

VOLUNTARY COURSES

30. Advanced Biological Chemistry. Dr. HASTINGS and Associates. First semester. Time to be arranged.

31. Clinical Nutrition. Dr. STARE and Associates. Time to be arranged.
33. Advanced Biological Chemistry. Physical Chemistry of Proteins and Other Biological Substances. Dr. ONCLEY and Associates. Tuesday and Thursday afternoons throughout the year. Lecture and Laboratory work.

Bacteriology

- GEORGE PACKER BERRY, M.D., L.L.D., S.D. (hon.), Litt.D., L.H.D., *Professor of Bacteriology and Dean of the Faculty of Medicine.*
- ALBERT H. COONS, M.D., *Career Investigator of the American Heart Association and Visiting Professor of Bacteriology and Immunology.*
- MONROE D. EATON, M.D., *Associate Professor of Bacteriology and Immunology and Acting Head of the Department.*
- JOHN F. ENDERS, PH.D., *Associate Professor of Bacteriology and Immunology.*
- BORIS MAGASANIK, PH.D., *Silas Arnold Houghton Assistant Professor of Bacteriology and Immunology.*
- EMANUEL SUTER, M.D., *Assistant Professor of Bacteriology and Immunology.*
- CH'EN LIU, M.D., *Associate in Bacteriology and Immunology.*
- ROBERT A. MACCREADY, M.D., *Associate in Bacteriology and Immunology.*
- H. EDWIN UMBARGER, PH.D., *Associate in Bacteriology and Immunology.*
- BYRON H. WAKSMAN, M.D., *Associate in Bacteriology and Immunology at the Massachusetts General Hospital.*
- JOHN H. HANKS, PH.D., *Lecturer on Bacteriology and Immunology.*
- ARNOLD F. BRODIE, PH.D., *Research Associate in Bacteriology and Immunology.*
- CLARKE T. GRAY, PH.D., *Research Associate in Bacteriology and Immunology.*
- SIDNEY LESKOWITZ, PH.D., *Research Associate in Bacteriology and Immunology in the Department of Gynecology.*
- CHARLOTTE F. LITT, PH.D., *Milton Research Associate in Bacteriology and Immunology.*
- JOHN H. WALLACE, PH.D., *Research Associate in Bacteriology and Immunology.*
- BARBARA K. WATSON, PH.D., *Research Associate in Bacteriology and Immunology.*
- HAROLD AMOS, PH.D., *Instructor in Bacteriology and Immunology.*
- MARCUS S. BROOKE, PH.D., *Instructor in Bacteriology and Immunology.*
- MELVIN H. KAPLAN, M.D., *Instructor in Bacteriology and Immunology.*
- LAWRENCE J. J. KUNZ, PH.D., *Instructor in Bacteriology and Immunology.*
- HARRY GOODER, PH.D., *Assistant in Bacteriology and Immunology (resigned October 15, 1955).*

- LOIS B. GEHRING, PH.D., *Research Fellow in Bacteriology and Immunology* (resigned August 31, 1955).
- ROBERT S. GOHD, PH.D., *Research Fellow in Bacteriology and Immunology in the Department of Otolaryngology.*
- PHILIP E. HARTMAN, PH.D., *Research Fellow in Bacteriology and Immunology.*
- HARRIS S. MOYED, PH.D., *Research Fellow in Bacteriology and Immunology.*
- HARTMANN STÄHELIN, M.D., *Research Fellow in Bacteriology and Immunology* (resigned October 31, 1955).
- ALVIN S. LEVINE, PH.D., *Teaching Fellow in Bacteriology and Immunology.*

Affiliated:

- JOHN C. SNYDER, M.D., *Professor of Public Health Bacteriology and Dean of the School of Public Health.*
- MORTIMER LITT, M.D., *Research Fellow in Pathology.*
- JOHN T. SHARP, M.D., *Research Fellow in Medicine.*

The personnel and equipment of the Department of Bacteriology are prepared to supply instruction and opportunities for investigation to properly qualified undergraduate and graduate students in general bacteriology, pathogenic bacteriology, bacterial metabolism, virology, chemotherapy, and the problems of immunity.

REQUIRED COURSE

BACTERIOLOGY A. Second Year.—The required course for medical students is taught by lectures, laboratory work, and conferences. Stress in this course is laid upon those parts of bacteriology and immunology which are directly pertinent to the pathology of infectious disease, its practical diagnosis and treatment. The students are introduced as rapidly as possible to the medical problems of bacteriology, and the subjects taught are illustrated by material obtained from the associated hospitals. Immunological and seriological technic in its practical aspects is dealt with by group instruction, and the preventive aspects of the physician's duties in relation to infectious diseases are considered as thoroughly as time permits.

SECOND YEAR

HOURS

- Lectures. Drs. EATON, COONS, MAGASANIK, SUTER, UMBARGER and Associates. *Monday, Wednesday, and Friday afternoons. Conferences and clinics on alternate Tuesday, Thursday, and Saturday mornings from September 26 to November 29 and January 3 to 29, first half-year.* 104
- Laboratory work. Drs. EATON, COONS, MAGASANIK, SUTER, UMBARGER and Associates. *Two hours, Monday, Wednesday, and Friday afternoons, first half-year.* 96

FOURTH YEAR ELECTIVE COURSE

20. Research. Drs. EATON, ENDERS and Associates. The Department of Bacteriology offers opportunity for special study for one or more months. Students will be accepted for such work and the nature of their studies will be determined by individual conferences between the applicants and members of the staff of the department.

VOLUNTARY COURSE

30. Research. Opportunity for research will be given to qualified students upon consultation with members of the staff.

Pathology

ARTHUR T. HERTIG, M.D., *Shattuck Professor of Pathological Anatomy and Head of the Department.*

BENJAMIN CASTLEMAN, M.D., *Clinical Professor of Pathology.*

GUSTAVE J. DAMMIN, M.D., *Professor of Pathology at the Peter Bent Brigham Hospital.*

SIDNEY FARBER, M.D., *Professor of Pathology at the Children's Hospital.*

SHIELDS WARREN, M.D., S.D. (hon.), *Professor of Pathology at the New England Deaconess Hospital.*

SAMUEL P. HICKS, M.D., *Associate Clinical Professor of Pathology.*

WILLIAM A. MEISSNER, M.D., *Associate Clinical Professor of Pathology.*

JOHN M. CRAIG, M.D., *Assistant Professor of Pathology at the Children's Hospital.*

PHILIP M. Lecompte, M.D., *Assistant Clinical Professor of Pathology.*

JACOB FURTH, M.D., *Lecturer on Pathology.*

JOHN P. AYER, M.D., *Clinical Associate in Pathology.*

DANTE F. CAMPAGNA-PINTO, M.D., *Clinical Associate in Pathology.*

GEORGE W. CURTIS, M.D., *Clinical Associate in Pathology.*

BETTY B. GEREN, M.D., *Associate in Pathology at the Children's Hospital.*

IRA GORE, M.D., *Clinical Associate in Pathology.*

JOHANNES P. KULKA, M.D., *Associate in Pathology at the Peter Bent Brigham Hospital.*

GUIDO MAJNO, M.D., *Associate in Pathology.*

DONALD G. MCKAY, M.D., *Associate in Pathology at the Boston Lying-in Hospital and the Free Hospital for Women.*

LEOPOLD REINER, M.D., *Clinical Associate in Pathology (resigned January 31, 1956).*

ROBERT E. SCULLY, M.D., *Clinical Associate in Pathology.*

EDGAR B. TAFT, M.D., *Associate in Pathology at the Massachusetts General Hospital.*

AUSTIN L. VICKERY, JR., M.D., *Clinical Associate in Pathology.*

- G. KENNETH MALLORY, M.D., *Lecturer on Pathology.*
STANLEY L. ROBBINS, M.D., *Lecturer on Pathology.*
SHELDON C. SOMMERS, M.D., *Lecturer on Pathology.*
VIRGINIA DOWNING, M.D., *Research Associate in Pathology.*
GEORGE E. FOLEY, S.B., *Research Associate in Pathology.*
OLIVE GATES, M.D., *Research Associate in Pathology.*
ADELE K. MAGASANIK, PH.D., *Research Associate in Pathology.*
WADI A. BARDAWIL, M.D., *Instructor in Pathology.*
KURT BENIRSCHKE, M.D., *Instructor in Pathology.*
DAVID L. COFFIN, M.D.V., *Instructor in Pathology.*
RICHARD B. COHEN, M.D., *Instructor in Pathology.*
BRADLEY E. COPELAND, M.D., *Instructor in Pathology.*
CHARLES J. DE WAN, M.D., *Instructor in Pathology.*
ROBERT FIENBERG, M.D., *Instructor in Pathology.*
LLOYD C. FOGG, PH.D., *Instructor in Pathology.*
JOHN D. HOUGHTON, M.D., *Instructor in Pathology.*
HAZEL MANSELL, M.B., CH.B., *Instructor in Pathology.*
AGNES B. RUSSFIELD, PH.D., M.D., *Instructor in Pathology.*
REUBEN Z. SCHULZ, M.D., *Instructor in Pathology.*
JACOB N. SHANBERGE, M.D., *Instructor in Pathology.*
RONALD C. SNIFFEN, M.D., *Instructor in Pathology.*
DAVID SPIRO, M.D., *Instructor in Pathology.*
ARON E. SZULMAN, M.B., CH.B., *Instructor in Pathology.*
JOHN L. TULLIS, M.D., *Instructor in Pathology.*
CALVIN J. WEGNER, M.D., *Instructor in Pathology.*
CARL A. HARRIS, PH.D., M.D., *Assistant in Pathology.*
EARL E. HELLERSTEIN, M.D., *Assistant in Pathology.*
LORNA D. JOHNSON, M.D., *Assistant in Pathology.*
GARY P. PAPARO, M.D., *Assistant in Pathology.*
COLIN J. E. WRIGHT, M.B., CH.B., M.D., *Assistant in Pathology* (resigned
October 31, 1955).
MORRIS J. KARNOVSKY, M.B., CH.B., *Research Fellow in Pathology.*
MORTIMER LITT, M.D., *Research Fellow in Pathology.*
FELIX RODRIGUEZ (Y LEGASPI), M.D., *Research Fellow in Pathology.*
LEONARD ATKINS, M.D., *Teaching Fellow in Pathology.*
JAY BERNSTEIN, M.D., *Teaching Fellow in Pathology.*
ROLAND E. BERRY, M.D., *Teaching Fellow in Pathology.*
BENJAMIN D. CANLAS, JR., M.D., *Teaching Fellow in Pathology.*
SHIRLEY G. DRISCOLL, M.D., *Teaching Fellow in Pathology.*
JAVIER GONZALEZ ISAZA, M.D., *Teaching Fellow in Pathology.*
RAYMOND A. JUSTI, M.D., *Teaching Fellow in Pathology.*
ARTHUR J. McADAMS, JR., M.D., *Teaching Fellow in Pathology.*
EDWARD STORRS REYNOLDS, JR., M.D., *Teaching Fellow in Pathology.*

JOSEPH C. SIERACKI, M.D., *Teaching Fellow in Pathology* (resigned November 30, 1955).

BENJAMIN WITTELS, M.D., *Teaching Fellow in Pathology*.

THOMAS ELLIOTT YOUNG, M.D., *Teaching Fellow in Pathology*.

REQUIRED COURSE

PATHOLOGY A. Second Year.—The second year course in pathology is planned as a systematic survey of pathology. It consists of lectures, laboratory study of pathologic histology and demonstrations of gross pathologic material, partly from fixed specimens drawn from the Warren Museum, but more extensively from demonstrations of fresh autopsy and surgical material brought from the laboratories of the affiliated hospitals. Students visit the Pathology Laboratories of the Boston City Hospital, Massachusetts General Hospital, Peter Bent Brigham Hospital, Children's Hospital, Beth Israel Hospital, the Free Hospital for Women and the New England Deaconess Hospital, for participation in performance of autopsies.

Lectures are given three days in the week by the staff. The course is divided roughly, though not sharply, into general and special pathology, covering in the first part of the year basic pathologic processes, such as tissue injury and repair, inflammation, tissue responses to specific infectious agents and neoplasia. In the second half of the course the diseases of the important organs and systems are considered in some detail. The pathology of the eye, skin, oral cavity and vitamin deficiencies are covered in collaboration with other departments of the University.

Courses in Parasitology and Neuropathology are given separately by the respective departments but under the nominal jurisdiction of this Department. The course in Clinical Pathology is under the direction of the Department of Medicine.

SECOND YEAR

HOURS

Lectures, Dr. HERTIG and Associates. *Mondays, Wednesdays, and Fridays, for twenty-six weeks.*

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Laboratory work. Dr. HERTIG and Associates. *Two and a half hours, Mondays, Wednesdays, and Fridays.*

195

FOURTH YEAR ELECTIVE COURSES

1. Advanced Pathology. Dr. CASTLEMAN. M.G.H. Whole course, all day.
2. Advanced Pathology. Dr. G. K. MALLORY, B.C.H. Whole course, all day.
3. Advanced Pathology. Dr. DAMMIN, P.B.B.H. Whole course, all day.
4. The Pathology of the Endocrine Diseases. Dr. S. WARREN. N.E.D.H. Whole course, all day.

5. The Pathology of Tumors. Dr. S. WARREN. N.E.D.H. Whole course, all day.
7. Advanced Pathology. Dr. FARBER. C.H. Whole course, all day.
8. Advanced Pathology. Dr. FREIMAN. B.I.H. Whole course, all day.

Tropical Public Health

This course is given by members of the Faculty of the Harvard School of Public Health.

THOMAS H. WELLER, M.D., *Richard Pearson Strong Professor of Tropical Public Health and Head of the Department.*

DONALD L. AUGUSTINE, S.D., S.D. (hon.), *Professor of Tropical Public Health.*

FRANKLIN A. NEVA, M.D., *Assistant Professor of Tropical Public Health.*

ELI CHERNIN, S.D., *Associate in Tropical Public Health.*

CHIA-TUNG PAN, M.D., M.P.H., *Instructor in Tropical Public Health.*

REQUIRED COURSE

PARASITOLOGY A. *Second Year.*—The important helminth and protozoan parasites of man are considered with reference to their geographic distribution, identification, mode of transmission, pathogenesis, immune reactions and methods for prevention and control. Clinical aspects and chemotherapy of parasitic diseases are discussed. Emphasis is given to methods of laboratory diagnosis.

SECOND YEAR

HOURS

Lectures, demonstrations, and laboratory work. Dr. WELLER and Staff.

H.M.S. *Tuesdays, Thursdays, and Saturdays, 10 to 1, December.* 30

VOLUNTARY COURSES

(Courses offered by the Department of Tropical Public Health in the School of Public Health are open, as electives, to third and fourth year students. Spring term, February–June.

Pharmacology

(OTTO KRAYER, M.D., A.M. (hon.), *Charles Wilder Professor of Pharmacology and Head of the Department* (on leave of absence March–September 1955).

FREDERICK C. UHLE, Ph.D., *Assistant Professor of Chemistry in the Department of Pharmacology.*

PETER B. DEWS, M.B., CH.B., Ph.D., *Associate in Pharmacology.*

ALEXANDER D. KENNY, PH.D., *Associate in Pharmacology at the Children's Hospital.*

MARTIN LUBIN, M.D., PH.D., *Associate in Pharmacology.*

CHARLES J. KENSLER, PH.D., *Lecturer on Pharmacology.*

JOSEPH DÖRNER, M.D., *Research Associate in Pharmacology* (resigned October 31, 1955).

JOSEPH M. BENFORADO, M.D., *Instructor in Pharmacology.*

WERNER FLACKE, M.D., *Instructor in Pharmacology.*

DIETER WOLFF, M.D., *Assistant in Pharmacology.*

BRYAN W. BAKER, PH.D., *Research Fellow in Chemistry in the Department of Pharmacology.*

JAIME FUENTES (SANTOYO), M.D., *Research Fellow in Pharmacology.*

BRIGITTE HOFHEINZ, B.A., *Research Fellow in Pharmacology.*

NARENDRA S. JOHARY, PH.D., *Research Fellow in Chemistry in the Department of Pharmacology* (resigned August 31, 1955).

JAMES E. KRUEGER, PH.D., *Research Fellow in Chemistry in the Department of Pharmacology* (resigned July 31, 1955).

FREDY SALLMANN, PH.D., *Research Fellow in Chemistry in the Department of Pharmacology.*

INGE SCHEUHING, B.A., *Research Fellow in Pharmacology.*

FRANK A. HOWARD, M.D., *Teaching Fellow in Pharmacology.*

Affiliated:

PAUL L. MUNSON, PH.D., *Associate Professor of Pharmacology in the School of Dental Medicine.*

ERNST H. BEUTNER, PH.D., *Research Associate in Pharmacology in the School of Dental Medicine.*

PHILIP F. HIRSCH, PH.D., *Instructor in Pharmacology in the School of Dental Medicine.*

SVEIN U. TOVERUD, D.M.D., *Research Fellow in Pharmacology in the School of Dental Medicine.*

REQUIRED COURSE

PHARMACOLOGY A. *Second Year.* — The course in Pharmacology consists of lectures, demonstrations, experimental laboratory exercises and conferences. The students have an opportunity to learn about the fundamental pharmacological and toxicological concepts and to become acquainted with the important drugs. Emphasis is placed on the mode of action of pharmacological agents in such a way as to provide the student with a rational basis for the study of therapeutics with drugs. The analysis of pharmacological

effects is based on experimental and clinical facts obtained from studies in man and animals. In the laboratory, stress is laid on observation and interpretation by the student.

SECOND YEAR

HOURS

Lectures. Dr. KRAYER and Associates. <i>One hour, three times a week: Tuesday, Thursday and Saturday mornings, first half-year; Monday, Wednesday and Friday afternoons, second half-year.</i>	84
Laboratory work and conferences. Dr. KRAYER and Associates. <i>Tuesday, Thursday and Saturday mornings, first half-year.</i>	76

FOURTH YEAR ELECTIVE COURSES

20. Pharmacological Investigation. Drs. KRAYER, MUNSON, UHLE, DEWS, LUBIN and KENNY.
21. Substances affecting the circulatory system. Dr. KRAYER.
22. Substances affecting the autonomic nervous system. Dr. KRAYER.
23. Pharmacology of Chemotherapeutic Agents. Dr. KENNY.
24. Regulation of Hormone Secretion; biological assay. Dr. MUNSON.
25. Substances affecting behavior. Dr. DEWS.
26. Substances affecting skeletal muscle. Dr. LUBIN.

Legal Medicine

RICHARD FORD, M.D., *Assistant Professor of Legal Medicine and Acting Head of the Department.*

MICHAEL A. LUONGO, M.D., *Associate in Legal Medicine.*

WILLIAM J. CURRAN, LL.M., *Lecturer on Law in the Department of Legal Medicine.*

ELVERA J. ALGERI, S.B., *Assistant in Legal Medicine.*

SVEINBJORN S. BJORNSON, M.D., *Assistant in Legal Medicine (resigned November 15, 1955).*

ARTHUR J. MCBAY, PH.D., *Assistant in Legal Medicine.*

ARTHUR E. O'DEA, M.D., *Assistant in Legal Medicine.*

FRANK C. STRATTON, S.B., *Assistant in Legal Medicine.*

LOLA M. WALKER, A.M., *Assistant in Legal Medicine.*

JOSEPH A. JACHIMCZYK, M.D., *Research Fellow in Legal Medicine.*

GEORGE G. KATSAS, M.D., *Research Fellow in Legal Medicine.*

YOUNG HO LIEU, M.D., *Research Fellow in Legal Medicine.*

SHIGEO OGATA, M.D., *Research Fellow in Legal Medicine (resigned February 29, 1956).*

JOSE SANCHEZ, M.D., *Research Fellow in Legal Medicine (resigned September 30, 1955).*

Affiliated:

JACK R. EWALT, M.D., *Clinical Professor of Psychiatry.*

REQUIRED COURSE

Third Year.—Twelve lectures. The circumstances in which medical evidence is essential to the administration of justice. Mechanisms and pathological characteristics of injuries most frequently responsible for litigation. Laws and legal principles relating to the practice of medicine and to the physician-patient relationship.

THIRD YEAR

HOURS

Lectures. Dr. FORD and Associates. H.M.S. *Twelve Fridays of the first half-year, at 4.15 P.M.*

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MEDICINE

Under this Division are included Medicine and the specialties relating chiefly to Medicine:—Dermatology, Diseases of the Nervous System (Neurology, Neuropathology, and Psychiatry), Ophthalmology, and Radiology.

Medicine

- JOSEPH C. AUB, M.D., *Professor of Research Medicine and Director of the Medical Laboratories of the Collis P. Huntington Memorial Hospital and Chairman of the Department.*
- WALTER BAUER, M.D., A.M. (hon.), *Jackson Professor of Clinical Medicine and Head of the Department at the Massachusetts General Hospital.*
- HERRMAN L. BLUMGART, M.D., *Professor of Medicine and Head of the Department at the Beth Israel Hospital.*
- WILLIAM B. CASTLE, M.D., S.M. (hon.), M.D. (hon.), S.D. (hon.), *Professor of Medicine and Head of the Department at the Boston City Hospital.*
- GEORGE W. THORN, M.D., L.L.D., S.D. (hon.), *Hersey Professor of the Theory and Practice of Physic and Head of the Department at the Peter Bent Brigham Hospital.*
- C. SIDNEY BURWELL, M.D., L.L.D., S.D. (hon.), *Samuel A. Levine Professor of Medicine.*
- CHESTER M. JONES, M.D., S.D. (hon.), *Clinical Professor of Medicine.*
- SAMUEL A. LEVINE, M.D., *Clinical Professor of Medicine.*
- FULLER ALBRIGHT, M.D., S.D. (hon.), *Associate Professor of Medicine.*
- BENJAMIN ALEXANDER, M.D., *Associate Professor of Medicine at the Beth Israel Hospital.*
- EDWARD F. BLAND, M.D., *Associate Clinical Professor of Medicine.*
- CHARLES S. DAVIDSON, M.D., C.M., *Associate Professor of Medicine.*
- LAURENCE B. ELLIS, M.D., *Associate Clinical Professor of Medicine.*
- MAXWELL FINLAND, M.D., *Associate Professor of Medicine.*

- THOMAS A. WARTHIN, M.D., *Associate Clinical Professor of Medicine.*
- PAUL C. ZAMECNIK, M.D., *Associate Professor of Medicine at the Massachusetts General Hospital.*
- MARK D. ALTSCHULE, M.D., *Assistant Clinical Professor of Medicine.*
- THEODORE L. BADGER, M.D., *Assistant Clinical Professor of Medicine.*
- EARLE M. CHAPMAN, M.D., *Assistant Clinical Professor of Medicine.*
- HARRY A. DEROW, M.D., *Assistant Clinical Professor of Medicine.*
- LEWIS DEXTER, M.D., *Assistant Professor of Medicine at the Peter Bent Brigham Hospital and Tutor in Medicine.*
- KENDALL EMERSON, JR., M.D., *Assistant Clinical Professor of Medicine and Assistant Dean of the Faculty of Medicine.*
- EUGENE C. EPPINGER, M.D., *Assistant Clinical Professor of Medicine and Assistant Dean in charge of Courses for Graduates.*
- A. STONE FREEDBERG, M.D., *Assistant Professor of Medicine at the Beth Israel Hospital.*
- SAMUEL L. GARGILL, M.D., *Assistant Clinical Professor of Medicine.*
- SEYMOUR J. GRAY, M.D., PH.D., *Assistant Clinical Professor of Medicine.*
- DAVID HURWITZ, M.D., *Assistant Clinical Professor of Medicine.*
- EDWARD H. KASS, PH.D., M.D., *Assistant Professor of Medicine.*
- ALEXANDER MARBLE, M.D., *Assistant Clinical Professor of Medicine.*
- ROBERT S. PALMER, M.D., *Assistant Clinical Professor of Medicine.*
- JOSEPH E. F. RISEMAN, M.D., *Assistant Clinical Professor of Medicine.*
- MARIAN W. ROPES, M.D., *Assistant Clinical Professor of Medicine.*
- RICHARD P. STETSON, M.D., *Assistant Clinical Professor of Medicine.*
- ARTHUR L. WATKINS, M.D., *Assistant Clinical Professor of Medicine.*
- LOUIS WOLFF, M.D., *Assistant Clinical Professor of Medicine.*
- PAUL M. ZOLL, M.D., *Assistant Professor of Medicine.*
- WILLIAM P. MURPHY, M.D., *Lecturer on Medicine.*
- WALTER H. ABELMANN, M.D., *Associate in Medicine.*
- C. CABELL BAILEY, M.D., *Clinical Associate in Medicine.*
- MYLES P. BAKER, M.D., *Clinical Associate in Medicine.*
- BENJAMIN M. BANKS, M.D., *Clinical Associate in Medicine.*
- THEODORE B. BAYLES, M.D., *Clinical Associate in Medicine.*
- SAMUEL B. BEASER, M.D., *Clinical Associate in Medicine.*
- ROBERT L. BERG, M.D., *Associate in Medicine at the Massachusetts General Hospital.*
- FREDERICK S. BIGELOW, M.D., *Associate in Medicine.*
- RICHARD A. BLOOMFIELD, M.D., *Clinical Associate in Medicine.*
- EVAN CALKINS, M.D., *Associate in Medicine.*
- THOMAS C. CHALMERS, M.D., *Clinical Associate in Medicine.*
- SIDNEY COHEN, M.D., *Associate in Medicine at the Beth Israel Hospital.*
- PERRY J. CULVER, M.D., *Associate in Medicine at the Massachusetts General Hospital.*

- CLIFFORD L. DERICK, M.D., C.M., *Clinical Associate in Medicine.*
CHARLES H. DU TOIT, M.D., *Associate in Medicine at the Massachusetts General Hospital.*
ALLAN J. ERSLEV, M.D., *Associate in Medicine.*
GREENE S. FITZHUGH, M.D., *Clinical Associate in Medicine.*
DALE G. FRIEND, M.D., *Associate in Medicine at the Peter Bent Brigham Hospital.*
FRANK H. GARDNER, M.D., *Associate in Medicine.*
ROBERT GOLDSTEIN, M.D., *Clinical Associate in Medicine.*
JEROME GROSS, M.D., *Associate in Medicine at the Massachusetts General Hospital.*
MILTON W. HAMOLSKY, M.D., *Associate in Medicine.*
SIDNEY H. INGBAR, M.D., *Associate in Medicine.*
ALFRED KRANES, M.D., *Clinical Associate in Medicine.*
GEORGE S. KURLAND, M.D., *Associate in Medicine at the Beth Israel Hospital.*
ALEXANDER LEAF, M.D., *Associate in Medicine at the Massachusetts General Hospital (on leave of absence October 1954-July 1956).*
JACOB LERMAN, M.D., *Clinical Associate in Medicine.*
HAROLD D. LEVINE, M.D., *Clinical Associate in Medicine.*
ARTHUR J. LINENTHAL, M.D., *Clinical Associate in Medicine.*
DAVID LITTMANN, M.D., *Clinical Associate in Medicine.*
F. WILLIAM MARLOW, JR., M.D., *Clinical Associate in Medicine.*
DUDLEY MERRILL, M.D., *Clinical Associate in Medicine.*
JOHN P. MERRILL, M.D., *Associate in Medicine.*
JAMES METCALFE, M.D., *Associate in Medicine.*
ROBERT T. MONROE, M.D., *Clinical Associate in Medicine.*
GORDON S. MYERS, M.D., *Associate in Medicine at the Massachusetts General Hospital.*
GEORGE NICHOLS, JR., M.D., *Associate in Medicine.*
HELEN S. PITTMAN, M.D., *Clinical Associate in Medicine.*
HOWARD F. ROOT, M.D., *Clinical Associate in Medicine.*
ALBERT O. SEELER, M.D., *Clinical Associate in Medicine.*
HOWARD B. SPRAGUE, M.D., *Clinical Associate in Medicine.*
JOHN B. STANBURY, M.D., *Associate in Medicine (on leave of absence March-September 1955).*
F. H. LASKEY TAYLOR, PH.D., *Associate in Research Medicine.*
BERT L. VALLEE, M.D., *Associate in Medicine.*
STANFORD WESSLER, M.D., *Associate in Medicine.*
LOUIS ZETZEL, M.D., *Clinical Associate in Medicine.*
WALTER S. BURRAGE, M.D., *Lecturer on Medicine.*
CLARK W. HEATH, M.D., *Lecturer on Medicine.*
MAURICE B. STRAUSS, M.D., *Lecturer on Medicine.*
FRANCIS C. WOOD, M.D., *Visiting Lecturer on Medicine.*

- SAUL ARONOW, PH.D., *Research Associate in Medicine.*
GORDON L. BROWNELL, PH.D., *Research Associate in Medicine.*
NANCY L. R. BUCHER, M.D., *Research Associate in Medicine.*
WILLIAM P. CHAPMAN, M.D., C.M., *Research Associate in Medicine.*
JOSEPH W. GARDELLA, M.D., *Research Associate in Medicine.*
JOHN GERGELY, PH.D., M.D., *Research Associate in Medicine.*
LIPPMAN H. GERONIMUS, PH.D., *Research Associate in Medicine.*
JOHN G. GIBSON, 2D, M.D., *Research Associate in Medicine.*
FLORENCE W. HAYNES, PH.D., *Research Associate in Medicine.*
MAHLON B. HOAGLAND, M.D., *Research Associate in Medicine.*
FREDERICK L. HOCH, M.D., *Research Associate in Medicine.*
ELIZABETH B. KELLER, PH.D., *Research Associate in Medicine.*
ROBERT B. LOFTFIELD, PH.D., *Research Associate in Medicine.*
ALDEN V. LOUD, S.M., *Research Associate in Medicine.*
BENJAMIN J. MURAWSKI, PH.D., *Research Associate in Psychology.*
DON H. NELSON, M.D., *Research Associate in Medicine.*
LEONA R. NORMAN, M.D., *Research Associate in Medicine.*
MAURICE M. PECHET, PH.D., M.D., *Research Associate in Medicine.*
GRACE M. ROURKE, S.M., *Research Associate in Medicine.*
KARL SCHMID, DR. PHIL., *Research Associate in Physical Chemistry in the Department of Medicine.*
MORRIS SOODAK, PH.D., *Research Associate in Medicine.*
LEONARD B. SPECTOR, PH.D., *Research Associate in Medicine.*
RALPH E. THIERS, PH.D., *Research Associate in Medicine.*
DOROTHY M. TIBBETTS, S.B., *Research Associate in Medicine.*
JAMES L. TULLIS, M.D., *Research Associate in Medicine.*
JOHN B. G. ANDOSCA, M.D., *Instructor in Medicine.*
WILLIAM H. BAKER, M.D., *Instructor in Medicine.*
VICTOR G. BALBONI, M.D., *Instructor in Medicine.*
WILLIAM H. BATCHELOR, M.D., *Instructor in Medicine.*
PATRICIA H. BENEDICT, M.D., *Instructor in Medicine.*
KENNETH T. BIRD, M.D., *Instructor in Medicine.*
NEAL S. BRICKER, M.D., *Instructor in Medicine.*
MORTON G. BROWN, M.D., *Instructor in Medicine.*
ROBERT E. BROWNLEE, M.D., *Instructor in Medicine.*
ROBERT BUKA, JR., M.D., *Instructor in Medicine.*
MILTON H. CLIFFORD, M.D., *Instructor in Medicine.*
MANDEL E. COHEN, M.D., *Instructor in Medicine.*
ANDREW W. CONTRATTO, M.D., *Instructor in Medicine.*
AUGUSTUS T. CROCKER, M.D., *Instructor in Medicine.*
SETH C. CROCKER, M.D., *Instructor in Medicine.*
BRIANT L. DECKER, M.D., *Instructor in Medicine.*
ALBERT I. C. DEFRIEZ, M.D., *Instructor in Medicine.*

- JOHN M. FLYNN, M.D., *Instructor in Medicine.*
ANNE P. FORBES, M.D., *Instructor in Medicine* (on leave of absence October 1955–September 1956).
HEDDY FRANK, M.D., *Instructor in Medicine* (resigned July 31, 1955).
PAUL FREMONT-SMITH, M.D., *Instructor in Medicine.*
ALLAN L. FRIEDLICH, JR., M.D., *Instructor in Medicine.*
WALTER T. GOODALE, M.D., *Instructor in Medicine.*
JOHN R. GRAHAM, M.D., *Instructor in Medicine.*
MORTIMER S. GREENBERG, M.D., *Instructor in Medicine.*
PHILIP H. HENNEMAN, M.D., *Instructor in Medicine.*
HOWARD H. HIATT, M.D., *Instructor in Medicine.*
ROBERT B. HOLDEN, M.D., *Instructor in Medicine.*
JAMES H. JACKSON, M.D., *Instructor in Medicine.*
BERNARD M. JACOBSON, M.D., *Instructor in Medicine.*
JAMES H. JANDL, M.D., *Instructor in Medicine.*
RITA M. KELLEY, M.D., *Instructor in Medicine.*
STANLEY KIMBALL, M.D., *Instructor in Medicine.*
RUDOLF KURZMANN, M.D., *Instructor in Medicine.*
MARK F. LESSES, M.D., *Instructor in Medicine.*
ARTHUR J. LOCKHART, M.D., *Instructor in Medicine.*
GEORGE W. LYNCH, M.D., *Instructor in Medicine.*
JAMES S. MANSFIELD, M.D., *Instructor in Medicine.*
JANET W. McARTHUR, M.D., *Instructor in Medicine.*
L. TILLMAN McDANIEL, M.D., *Instructor in Medicine.*
JOHN P. MONKS, M.D., *Instructor in Medicine.*
HYMAN L. NATERMAN, M.D., *Instructor in Medicine.*
SOLOMON PAPPER, M.D., *Instructor in Medicine.*
CAREY M. PETERS, M.D., *Instructor in Medicine.*
ARTHUR S. PIER, JR., M.D., *Instructor in Medicine.*
GEORGE M. PIKE, M.D., *Instructor in Medicine.*
CURTIS PROUT, M.D., *Instructor in Medicine.*
ALBERT E. RENOLD, M.D., *Instructor in Medicine.*
EUGENE D. ROBIN, M.D., *Instructor in Medicine.*
GORDON A. SAUNDERS, M.D., *Instructor in Medicine.*
CHARLES L. SHORT, M.D., *Instructor in Medicine.*
WILLIAM J. SHRIBER, M.D., *Instructor in Medicine.*
SAMUEL STEARNS, M.D., *Instructor in Medicine.*
HAROLD J. STEIN, M.D., *Instructor in Medicine.*
J. SYDNEY STILLMAN, JR., M.D., *Instructor in Medicine.*
JOHN D. STOECKLE, M.D., *Instructor in Medicine.*
GEORGE P. STURGIS, M.D., *Instructor in Medicine.*
MELVIN I. STURNICK, M.D., *Instructor in Medicine.*
ROBERT H. TALKOV, M.D., *Instructor in Medicine.*

- DONALD A. TUCKER, M.D., *Instructor in Medicine.*
CHARLES F. WALCOTT, M.D., *Instructor in Medicine.*
JOHN C. WELLS, JR., M.D., *Instructor in Medicine.*
ROE E. WELLS, M.D., *Instructor in Medicine.*
OLGA S. WERMER, M.D., *Instructor in Medicine.*
CONGER WILLIAMS, M.D., *Instructor in Medicine.*
NORMAN ZAMCHECK, M.D., *Instructor in Medicine.*
JOHN W. ZELLER, M.D., *Instructor in Medicine.*
GEORGE E. ALTMAN, M.D., *Assistant in Medicine.*
ROBERT E. BARKIN, M.D., *Assistant in Medicine* (resigned September 30, 1955).
EDGAR D. BELL, JR., M.D., *Assistant in Medicine.*
JOHN A. BENSON, JR., M.D., *Assistant in Medicine.*
WILLIAM H. BIRCHARD, M.D., *Assistant in Medicine.*
GEORGE H. BLENNERHASSETT, M.B., CH.B., *Assistant in Medicine.*
JAMES R. BROWNING, M.D., *Assistant in Medicine.*
JOHN J. CALABRO, M.D., *Assistant in Medicine.*
EDMUND J. CALLAHAN, 3RD, M.D., *Assistant in Medicine.*
WALTER H. CASKEY, M.D., *Assistant in Medicine.*
MODESTINO G. CRISCITIELLO, M.D., *Assistant in Medicine.*
LEONARD W. CRONKHITE, JR., M.D., *Assistant in Medicine.*
WILLARD DALRYMPLE, M.D., *Assistant in Medicine.*
THOMAS R. DAWBER, M.D., *Assistant in Medicine.*
FRANCIS P. DAWSON, M.D., M.P.H., *Assistant in Medicine.*
JOSEPH F. DINGMAN, M.D., *Assistant in Medicine.*
MARJORIE F. ELLICOTT, M.D., *Assistant in Medicine.*
DANIEL S. ELLIS, M.D., *Assistant in Medicine.*
HELEN W. EVARTS, M.D., *Assistant in Medicine.*
GERALD S. FOSTER, M.D., *Assistant in Medicine.*
JOHN G. FREYMAN, M.D., *Assistant in Medicine.*
JOEL C. GOLDTHWAIT, M.D., *Assistant in Medicine.*
KENNETH M. GRAHAM, M.D., *Assistant in Medicine.*
JOSEPH S. GRYBOSKI, M.D., *Assistant in Medicine.*
THOMAS C. HALL, M.D., *Assistant in Medicine.*
ERWIN O. HIRSCH, M.D., *Assistant in Medicine.*
DWIGHT C. HOEG, M.D., *Assistant in Medicine.*
WILFRED F. JONES, JR., M.D., *Assistant in Medicine.*
JOHN W. KELLER, M.D., *Assistant in Medicine.*
STEPHEN M. KRANE, M.D., *Assistant in Medicine* (resigned December 31, 1955).
HOWARD LEVITIN, M.D., *Assistant in Medicine.*
FARAHE MALOOF, M.D., *Assistant in Medicine.*
JOSEPH M. MILLER, M.D., *Assistant in Medicine.*

- AVARD M. MITCHELL, PH.D., M.D., *Assistant in Medicine.*
 ROBERT S. MORRISON, M.D., *Assistant in Medicine.*
 NANCY P. NICHOLS, M.D., *Assistant in Medicine.*
 JOHN F. OTTO, JR., M.D., *Assistant in Medicine.*
 DAVID PAINE, M.D., *Assistant in Medicine.*
 WALTER W. POINT, 3RD, M.D., *Assistant in Medicine.*
 EDWARD S. RENDALL, M.D., *Assistant in Medicine.*
 WILLIAM A. RICHARDS, M.D., *Assistant in Medicine.*
 WAYNE R. ROGERS, M.D., *Assistant in Medicine.*
 ELLIOT L. SAGALL, M.D., *Assistant in Medicine.*
 GUILLERMO C. SANCHEZ, M.D., *Assistant in Medicine* (resigned September 30, 1955).
 RICHARD P. SCHERMAN, M.D., *Assistant in Medicine.*
 JOHN SCHULMAN, JR., M.D., *Assistant in Medicine.*
 NORMAN J. SELVERSTONE, M.D., *Assistant in Medicine.*
 WILLIAM D. SOHIER, JR., M.D., *Assistant in Medicine.*
 NORMAN S. STEARNS, M.D., *Assistant in Medicine.*
 MYRON STEIN, M.D., *Assistant in Medicine.*
 WILLIAM H. STIMSON, M.D., *Assistant in Medicine.*
 JOSEPH L. TANSEY, M.D., *Assistant in Medicine.*
 ELBERT P. TUTTLE, JR., M.D., *Assistant in Medicine.*
 JOHN M. TYLER, M.D., *Assistant in Medicine.*
 BRYAN WILLIAMS, JR., M.D., *Assistant in Medicine.*
 BERTRAM M. WINER, M.D., *Assistant in Medicine.*
 MARY D. ALBERT, PH.D., *Research Fellow in Medicine.*
 DANIEL M. BACHMAN, M.D., *Research Fellow in Medicine.*
 JONATHAN D. BALLON, M.D., C.M., *Research Fellow in Medicine.*
 PAUL M. BEIGELMAN, M.D., *Research Fellow in Medicine* (resigned September 30, 1955).
 WILLIAM L. BENCZE, PH.D., *Research Fellow in Medicine.*
 JOHN E. BETHUNE, M.D., C.M., *Research Fellow in Medicine.*
 ALBERT G. BICKELMANN, M.D., *Research Fellow in Medicine.*
 JOHN R. BLAKE, JR., M.D., *Research Fellow in Medicine.*
 NANCY G. BOUCOT, M.D., *Research Fellow in Medicine.*
 WALTER R. BURACK, M.D., *Research Fellow in Medicine.*
 JOHN B. CADIGAN, JR., M.D., *Research Fellow in Medicine.*
 DALLAS V. CLATANOFF, M.D., *Research Fellow in Medicine.*
 LEONARD A. COBB, JR., M.D., *Research Fellow in Medicine.*
 ALAN S. COHEN, M.D., *Research Fellow in Medicine* (resigned October 31, 1955).
 ROBERT W. CORNETT, M.D., C.M., *Research Fellow in Medicine.*
 JEAN CRABBE, M.D., *Research Fellow in Medicine.*
 JOHN L. DECKER, M.D., *Research Fellow in Medicine.*

- VINCENT A. DeLUCA, JR., M.D., *Research Fellow in Medicine* (resigned September 15, 1955).
- RENE H. DESPOINTES, M.D., PH.D., *Research Fellow in Medicine*.
- JAMES T. DOWLING, M.D., *Research Fellow in Medicine*.
- CARLOS R. DUNCAN, M.D., *Research Fellow in Medicine*.
- NATHANIEL J. EHRENKRANZ, M.D., *Research Fellow in Medicine* (resigned December 31, 1955).
- ERNST R. FROESCH, M.D., *Research Fellow in Medicine*.
- MATHEW I. GELFAND, M.D., *Research Fellow in Medicine*.
- GIULIANA GIALDRONI-GRASSI, M.D., *Research Fellow in Medicine* (resigned December 15, 1955).
- WILLIAM GIBSON, M.D., *Research Fellow in Medicine*.
- MARVIN GILBERT, M.D., *Research Fellow in Medicine* (resigned July 31, 1955).
- ALAN GOLDFIEN, M.D., *Research Fellow in Medicine*.
- ROBERTO E. GOMEZ, M.D., *Research Fellow in Medicine* (resigned September 15, 1955).
- WARREN R. GUILD, M.D., *Research Fellow in Medicine*.
- ANDREAS HAEMMERLI, M.D., *Research Fellow in Medicine* (resigned July 31, 1955).
- ERNEST W. HANCOCK, M.D., *Research Fellow in Medicine*.
- REINOSUKE HARA, PH.D., *Research Fellow in Medicine* (on leave of absence May-October 1955).
- JOHN G. HARTER, M.D., *Research Fellow in Medicine*.
- LUIS A. HERNANDO, M.D., *Research Fellow in Medicine* (resigned December 15, 1955).
- WILLY HIJMANS, PH.D., M.D., *Research Fellow in Medicine* (resigned December 31, 1955).
- JOSEPH J. HOET, M.D., *Research Fellow in Medicine*.
- LEWIS J. KRAKAUER, M.D., *Research Fellow in Medicine*.
- HIROSHI KUIDA, M.D., *Research Fellow in Medicine*.
- LINDY F. KUMAGAI, M.D., *Research Fellow in Medicine*.
- MITSUKO T. LAFORET, M.D., *Research Fellow in Medicine*.
- LUIS LANDA, M.D., *Research Fellow in Medicine* (resigned August 31, 1955).
- ANDRE LANTHIER, M.D., *Research Fellow in Medicine*.
- JOHN W. LITTLEFIELD, M.D., *Research Fellow in Medicine*.
- WILLIAM B. LOONEY, M.D., *Research Fellow in Medicine*.
- MARVIN MARGOSHES, PH.D., *Research Fellow in Medicine*.
- ASHER MARKS, M.D., *Research Fellow in Medicine*.
- GEORGE MARTZ, M.D., *Research Fellow in Medicine*.
- MAURICE MCGREGOR, M.B., B.CH., M.D., *Research Fellow in Medicine* (resigned October 15, 1955).
- GEORGE A. McLEMORE, JR., M.D., *Research Fellow in Medicine*.

- THOMAS J. McMANUS, M.D., *Research Fellow in Medicine.*
 ROGER A. MELICK, M.B., CH.B., *Research Fellow in Medicine.*
 MARK P. MOLDAWER, M.D., *Milton Research Fellow in Medicine* (resigned August 31, 1955).
 RENEE G. NAVES, DR.-ÈS SCIENCES, *Research Fellow in Medicine.*
 ROGER L. NICHOLS, M.D., *Research Fellow in Medicine.*
 ROBERT L. NIELSEN, M.D., *Research Fellow in Medicine.*
 HENDRIK O. NIEWEG, M.D., *Research Fellow in Medicine.*
 PAUL NOVACK, M.D., *Research Fellow in Medicine.*
 ROBERT E. QUINN, M.D., *Research Fellow in Medicine.*
 COLIN G. RAMSEY, M.D., *Research Fellow in Medicine.*
 JOHN B. REARDAN, M.D., *Research Fellow in Medicine.*
 EGON RISS, M.D., *Research Fellow in Medicine.*
 ALFONSO V. RIVERA, M.D., *Research Fellow in Medicine.*
 BETTY S. ROOF, M.D., *Research Fellow in Medicine.*
 ROBERT B. ROSEN, M.D., *Research Fellow in Medicine.*
 ERIC J. ROSS, PH.D., M.B.,B.S., *Research Fellow in Medicine.*
 JAYME ROZENBOJM, M.D., *Research Fellow in Medicine.*
 KENNETH J. RYAN, M.D., *Research Fellow in Medicine.*
 JACQUES R. SAINT-MARC, M.D., *Research Fellow in Medicine* (resigned November 30, 1955).
 MARTIN SANDERS, M.D., *Research Fellow in Medicine.*
 WALTER A. SCHEITLIN, M.D., *Research Fellow in Medicine.*
 DIETER M. SCHMIT, PH.D., *Research Fellow in Medicine* (resigned August 20, 1955).
 MORRIS J. SEIDE, M.D., *Research Fellow in Medicine.*
 HERBERT A. SELENKOW, M.D., *Research Fellow in Medicine.*
 MUNIR H. SHAMMA'A, M.D., *Research Fellow in Medicine.*
 JOHN T. SHARP, M.D., *Research Fellow in Medicine.*
 JOSEPH C. SHIPP, M.D., *Research Fellow in Medicine.*
 EDMUND I. SHWAYRI, M.D., *Research Fellow in Medicine.*
 MADAN M. SINGH, M.D., *Research Fellow in Medicine* (resigned December 31, 1955).
 ROBERT P. SMITH, M.D., *Research Fellow in Medicine.*
 LEONARD S. SOMMER, M.D., *Research Fellow in Medicine.*
 CARLOS SUBAUSTE (PERONA), M.D., *Research Fellow in Medicine* (resigned November 30, 1955).
 WILLIAM H. J. SUMMERSKILL, M.B., CH.B., *Research Fellow in Medicine.*
 MALCOLM THOMPSON, M.D., *Research Fellow in Medicine* (resigned November 30, 1955).
 RAYMOND J. TIMMERMAN, M.D., *Research Fellow in Medicine.*
 PHILIP TROEN, M.D., *Research Fellow in Medicine.*
 JOHN B. VANDER, M.D., M.P.H., *Research Fellow in Medicine.*

- MARTIN L. VOGEL, M.D., *Myer Dana and Etta Dana Research Fellow in Medicine.*
- WARREN E. C. WACKER, M.D., *Research Fellow in Medicine.*
- RHETT P. WALKER, M.D., *Research Fellow in Medicine.*
- DONALD F. H. WALLACH, M.D., *Research Fellow in Medicine.*
- JOHN M. WALSH, M.B., Ch.B., *Research Fellow in Medicine* (resigned September 30, 1955).
- LAWRENCE H. WARBASSE, JR., M.D., *Research Fellow in Medicine.*
- JOHN R. WARD, M.D., *Research Fellow in Medicine.*
- ROBERT D. WHALEY, M.D., *Research Fellow in Medicine.*
- GERALD H. WHIPPLE, M.D., *Research Fellow in Medicine* (resigned February 15, 1956).
- ALBERT I. WINEGRAD, M.D., *Research Fellow in Medicine.*
- STANLEY J. WOLFE, M.D., *Research Fellow in Medicine.*
- MEHMET S. ZILELI, M.D., *Research Fellow in Medicine.*
- ROBERT E. CLANCY, M.D., *Teaching Fellow in Medicine.*
- ROBERT P. DAVIS, M.D., *Teaching Fellow in Medicine.*
- RICHARD A. FIELD, M.D., *Teaching Fellow in Medicine* (resigned December 31, 1955).
- DONALD C. REUSCH, M.D., *Teaching Fellow in Medicine.*
- DAVID W. RICHARDS, M.D., *Teaching Fellow in Medicine.*
- JOHN C. ROWE, M.D., *Teaching Fellow in Medicine.*
- LLOYD H. SMITH, M.D., *Teaching Fellow in Medicine.*
- BEVERLEY W. COBBS, JR., M.D., *Moseley Travelling Fellow.*
- JAMES J. FEENEY, M.D., *Moseley Travelling Fellow.*

Affiliated:

- NEIL L. CRONE, M.D., *Professor of Business Administration and Physician to the Graduate School of Business Administration.*
- DANA L. FARNSWORTH, M.D., *Henry K. Oliver Professor of Hygiene and Director of University Health Services.*
- LEWIS L. ENGEL, Ph.D., *Assistant Professor of Biological Chemistry at the Massachusetts General Hospital.*
- THEODORE B. VAN ITALLIE, M.D., *Assistant Professor of Clinical Nutrition, S.P.H.*
- HARRIET L. HARDY, M.D., *Assistant Clinical Professor of Preventive Medicine.*
- BENEDICT F. MASSELL, M.D., *Assistant Clinical Professor of Pediatrics.*
- PHILIP SOLOMON, M.D., *Clinical Associate in Psychiatry.*
- EDGAR B. TAFT, M.D., *Associate in Pathology at the Massachusetts General Hospital.*
- ROGER W. JEANLOZ, Ph.D., *Research Associate in Biological Chemistry.*
- BENJAMIN J. MURAWSKI, Ph.D., *Research Associate in Psychology.*

BILLY BAGGETT, PH.D., *Instructor in Biological Chemistry.*

MYRON BRIN, PH.D., *Instructor in Biological Chemistry.*

EDWARD A. GAENSLER, M.D., *Instructor in Surgery.*

JOSEPH STOKES, 3D, M.D., *Instructor in Preventive Medicine.*

REQUIRED COURSES

The instruction given by the Department of Medicine consists in lectures, recitations, amphitheatre clinics, practical work in the out-patient departments and wards of the hospitals, and a course in laboratory diagnosis which is given at the Harvard Medical School in the laboratory of the Department. Throughout, an effort is made to correlate the clinical aspects of patients with fundamental principles derived from the basic sciences and to establish in the student's mind the importance of care and precision in diagnostic and therapeutic methods. The time given to the Department of Medicine begins in the second half of the second year and continues throughout the third and fourth years of the medical curriculum.

MEDICINE A. *Second Year.*—During the second half of the second year introductory aspects of internal medicine are covered in a correlated program of lectures and demonstrations in the courses in physical diagnosis and laboratory diagnosis. The application of the subject matter of preclinical courses to clinical medicine is emphasized. For their practical instruction in the methods of history taking, physical examination, and laboratory technique the students are divided into small groups.

MEDICINE B. *Third Year.*—Throughout the third year the subjects of internal medicine are covered by clinics or lectures for the whole class, which are given at the various hospitals or at the Harvard Medical School. For their practical instruction the students are divided into small groups and work in the medical wards or out-patient departments of the four larger hospitals connected with the Medical School. On Monday and Wednesday afternoons the third of the class assigned to Medicine attends amphitheatre clinics, clinical-pathological conferences, and X-ray conferences in rotation at the various hospitals. One week of the course is spent at the Middlesex County Sanatorium for special instruction in tuberculosis and other chest diseases.

MEDICINE C. *Fourth Year.*—In this year for two or three months the students serve mainly as clinical clerks in the medical wards of a general hospital. Part of their time, however, is devoted to acting as assistants in the medical clinic of the out-patient department. Especial emphasis is placed upon the care of the patient as an individual with respect to diagnosis and treatment. With individual variations in the different hospitals, conferences are held for the informal discussion of clinical, pathological, immunological, radiological, social or dietetic problems of selected cases.

ELECTIVE AND VOLUNTARY COURSES

In addition to the required courses for fourth year students the department offers several opportunities for specially qualified students to take advanced elective courses and to carry on research problems in internal medicine.

FACILITIES FOR INSTRUCTION

The instruction is given at the Harvard Medical School, the Massachusetts General Hospital, the Boston City Hospital, the Peter Bent Brigham Hospital, the Beth Israel Hospital and several other hospitals devoted to special purposes. In these hospitals abundant and varied clinical material is available for the conduct of the numerous exercises.

SECOND YEAR

HOURS

Lectures and demonstrations on physical diagnosis and introductory aspects of clinical medicine. Dr. CHAPMAN and Associates. <i>Four times a week, second half-year.</i>	64
Section teaching in physical diagnosis and history taking. Dr. CHAPMAN and Associates. M.G.H., B.C.H., P.B.B.H., B.I.H., B.L.I.H., C.M.C., H.G.S., and L.I.H. <i>Each student has twenty-four exercises.</i>	84
Lectures and practical exercises in laboratory diagnosis. Dr. BIGELOW and Associates. H.M.S. <i>Three times a week, second half-year.</i>	96

THIRD YEAR

Lectures, recitations, and clinics on selected topics in internal medicine. Drs. BAUER, BLUMGART, CASTLE, THORN, AUB, and Associates. <i>Throughout the year.</i>	64
Exercises in sections in the wards and out-patient departments at the M.G.H., B.C.H., P.B.B.H., and B.I.H. <i>Each section has thirty-two exercises of two and a half hours each and twenty-one exercises of three hours each.</i>	143

FOURTH YEAR

Clinical Clerkships at M.G.H.(Medicine C ₁ , Dr. BAUER and Associates); B.C.H.(Medicine C ₂ , Drs. CASTLE, DAVIDSON, and Associates); P.B.B.H.(Medicine C ₃ , Dr. THORN and Associates); B.I.H. (Medicine C ₄ , Dr. BLUMGART and Associates).	288
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FOURTH YEAR ELECTIVE COURSES

- Advanced Medicine. Drs. BAUER, ALBRIGHT, BLAND, JACOBSON, JONES, STANBURY and Associates. M.G.H.
- Advanced Medicine. Drs. CASTLE, BADGER, DAVIDSON, ELLIS, FINLAND, and Associates. B.C.H.

7. Advanced Medicine. Drs. THORN, BURWELL, GRAY, MERRILL, VALLEE and Associates. P.B.B.H.
8. Advanced Medicine. Drs. BLUMGART, ALEXANDER, FREEDBERG and Associates. B.I.H.
9. Diabetes. Dr. ROOF and Associates. N.E.D.H.
10. Neoplastic Disease. Drs. AUB, CASTLEMAN, CHURCHILL, ROBBINS and Associates. M.G.H.
11. Physical Medicine and Rehabilitation. Dr. WATKINS. M.G.H.
12. Diseases of the Lungs. Dr. BADGER and Associates. M.G.H., B.C.H., P.B.B.H. and C.M.C.
13. Research Medicine. Drs. BAUER, STANBURY and Associates. M.G.H.
14. Advanced Medicine. Drs. WARTHIN, LITTMAN and Associates. W.R. V.A.H.
15. Comprehensive Medical Care. Dr. FARNSWORTH and Associates of Harvard University Health Services. Harvard Hygiene Department.

VOLUNTARY COURSES

31. Diseases of the Digestive System. Drs. BANKS and ZETZEL. Thursdays, 2 to 4 p.m., February and March, B.I.H. Open to third year students.
34. Diseases of the Thyroid. Drs. GARGILL, LESSES and HAMOLSKY. Tuesdays and Thursdays, 3.30 to 5.00 p.m., January, B.I.H. Open to third year students.
36. Hypertensive Disease and Nephritis. Drs. DEROW and WINER. Tuesdays, 2.00 to 3.30 p.m., December and January, B.I.H. Open to third year students.
37. Diagnosis and Treatment of Heart Diseases. Drs. RISEMAN, WESSLER, ALTSCHULE and SAGALL. Tuesdays, 2 to 4 p.m., February and March, B.I.H. Open to second, third and fourth year students.
39. Diagnosis and Treatment of Diabetes Mellitus. Drs. BEASER and STEARNS. Thursdays, 2.00 to 3.30 p.m., October and November, B.I.H. Open to third year students.
40. Clinical Application of Physiologic Principles. Dr. BLUMGART and Associates. Fridays, 2 p.m., February through May, B.I.H. Open to first year students.
41. Clinical Applications of Pharmacology. Drs. BLUMGART, LINENTHAL and FREEDBERG. Every other Thursday, 2.00 to 3.30 p.m., October through January, B.I.H. Open to second year students.
42. Diabetes Mellitus. N.E.D.H. Dr. MARBLE and Associates. Tuesdays and Thursdays, 2.00-3.30 p.m. February. Physiology, pathology and treatment of diabetes and its complications. Lectures, conferences and case presentations. Open to second, third and fourth year students.

Dermatology

CHESTER N. FRAZIER, M.D., DR.P.H., A.M. (hon.), *Edward Wigglesworth Professor of Dermatology and Head of the Department.*

JACOB H. SWARTZ, M.D., *Lecturer on Dermatology.*

WALTER F. LEVER, M.D., *Assistant Clinical Professor of Dermatology.*

MAURICE M. TOLMAN, M.D., *Assistant Clinical Professor of Dermatology.*

IRVIN H. BLANK, PH.D., *Associate in Dermatology.*

ALEXANDER G. MATOLITSY, PH.D., *Research Associate in Dermatology.*

JOHN ADAMS, JR., M.D., *Instructor in Dermatology.*

ROBERT D. GRIESEMER, M.D., *Instructor in Dermatology.*

WILLIAM R. HILL, M.D., *Instructor in Dermatology.*

ROBERT F. TILLEY, M.D., *Instructor in Dermatology.*

EARL A. GLICKLICH, M.D., *Assistant in Dermatology.*

MILTON E. HELMAN, M.D., *Assistant in Dermatology.*

PHILIP L. MCCARTHY, M.D., *Assistant in Dermatology.*

CHARLES S. KEUPER, M.D., *Assistant in Dermatology.*

LEON REZNICK, M.D., *Assistant in Dermatology.* (Died October 15, 1955.)

FRANZ S. M. HERBST, M.D., *Research Fellow in Dermatology* (resigned January 21, 1956).

SABINO J. SINESI, M.D., *Research Fellow in Dermatology.*

ALEXANDER B. TIMM, JR., M.D., *Teaching Fellow in Dermatology.*

REQUIRED COURSES

DERMATOLOGY A. *Third Year.*—In the first half-year five lectures are given in the fundamentals of dermatology. The object is to present the essential principles underlying the production of cutaneous abnormalities and to identify and relate these changes, both functional and structural, to the processes of disease in general. The subject is considered not as an isolated area of medicine, but as an integral part of medicine itself. It is hoped that through this method of study the student may come to understand the unity of the individual in his response to the various pathogenic forces of nature.

The student serves also as a clerk in the out-patient clinic, where he studies and discusses with the staff, patients assigned to him. Emphasis is placed upon history-taking and physical examination of patients in such a way as to make the student aware that the diseases which he observes require, in general, the techniques of clinical medicine for their study and interpretation. Rational methods of treatment are insisted upon.

The students, in sections, attend morning ward rounds.

THIRD YEAR

HOURS

Lectures. Dr. FRAZIER. H.M.S. *Five lectures, first half-year.*

5

Section work. Clinical Dermatology. Dr. FRAZIER and Associates. M.G.H. *Each student attends ten or eleven sessions (clinics and ward rounds) of three hours each.*

FOURTH YEAR ELECTIVE COURSE

1. Clinical Clerkship. Dr. FRAZIER and Associates. M.G.H. Whole course, all day, or half-course, mornings. Limited to two students each month.

Neurology and Psychiatry

This department is composed of three divisions: —

1. NEUROLOGY, Dr. DENNY-BROWN, at the Boston City Hospital. (Dr. BYERS at the Children's Hospital, in association with the Department of Pediatrics, will give instruction in nervous diseases of children.)
2. NEUROPATHOLOGY, Dr. ADAMS, Harvard Medical School and the Massachusetts General Hospital.
3. PSYCHIATRY, Dr. SOLOMON, at the Boston Psychopathic Hospital, and Dr. LINDEMANN, at the Massachusetts General Hospital, with teaching units at B.I.H., McLean and P.B.B.H.

RAYMOND D. ADAMS, M.D., *Bullard Professor of Neuropathology and Head of the Department of Neurology at the Massachusetts General Hospital.*

DEREK E. DENNY-BROWN, DR. PHIL., M.D., A.M. (hon.), *James Jackson Putnam Professor of Neurology and Head of the Department at the Boston City Hospital.*

ERICH LINDEMANN, PH.D., M.D., *Professor of Psychiatry and Head of the Department at the Massachusetts General Hospital.*

HARRY C. SOLOMON, M.D., *Professor of Psychiatry and Head of the Department at the Boston Psychopathic Hospital and Chairman of the Department.*

JACK R. EWALT, M.D., *Clinical Professor of Psychiatry.*

GEORGE E. GARDNER, PH.D., M.D., *Clinical Professor of Psychiatry.*

IVES HENDRICK, M.D., *Clinical Professor of Psychiatry.*

GEORGE SASLOW, PH.D., M.D., *Clinical Professor of Psychiatry.*

GRETE L. BIBRING, M.D., *Associate Clinical Professor of Psychiatry.*

ELVIN V. SEMRAD, M.D., *Associate Clinical Professor of Psychiatry.*

ALFRED H. STANTON, M.D., *Associate Professor of Psychiatry.*

CHARLES M. FISHER, M.D., *Assistant Clinical Professor of Neurology.*

JOSEPH M. FOLEY, M.D., *Assistant Professor of Neurology.*

HENRY M. FOX, M.D., *Assistant Professor of Psychiatry at the Peter Bent Brigham Hospital.*

MILTON GREENBLATT, M.D., *Assistant Clinical Professor of Psychiatry.*

ALFRED POPE, M.D., *Assistant Professor of Neuropathology at the McLean Hospital (Massachusetts General Hospital).*

ROBERT S. SCHWAB, M.D., *Assistant Clinical Professor of Neurology.*

- PAUL I. YAKOVLEV, M.D., *Assistant Clinical Professor of Neurology.*
EDWIN M. COLE, M.D., *Clinical Associate in Neurology.*
GAYLORD P. COON, M.D., *Clinical Associate in Psychiatry.*
FRANK C. D'ELSEAUX, M.D., *Clinical Associate in Psychiatry.*
DANIEL H. FUNKENSTEIN, M.D., *Clinical Associate in Psychiatry.*
SANFORD R. GIFFORD, M.D., *Associate in Psychiatry.*
LESTER L. HASENBUSH, M.D., *Clinical Associate in Psychiatry.*
HARRY L. KOZOL, M.D., *Clinical Associate in Neurology.*
DORIS MENZER, M.D., *Clinical Associate in Psychiatry.*
WILLIAM F. MURPHY, M.D., *Clinical Associate in Psychiatry.*
GREGORY ROCHLIN, M.D., *Clinical Associate in Psychiatry.*
PHILIP SOLOMON, M.D., *Clinical Associate in Psychiatry.*
LAURENCE D. TREVETT, M.D., *Clinical Associate in Psychiatry.*
LUTFU L. UZMAN, M.D., *Associate in Neurology.*
MAURICE VICTOR, M.D., *Clinical Associate in Neurology.*
ELIZABETH R. ZETZEL, M.D., *Clinical Associate in Psychiatry.*
CARL A. L. BINGER, M.D., *Lecturer on Psychiatry.*
WILFRED BLOOMBERG, M.D., *Lecturer on Psychiatry.*
CHARLES S. KUBIK, M.D., *Lecturer on Neuropathology.*
PAUL S. BARRABEE, PH.D., *Research Associate in Psychiatry.*
MARY A. B. BRAZIER, PH.D., *Research Associate in Neurology.*
DANIEL J. LEVINSON, PH.D., *Research Associate in Social Science and Psychiatry.*
ROBERT T. LONG, M.D., *Research Associate in Psychiatry.*
WALTER MANN, PH.D., M.D., *Research Associate in Psychiatry.*
JOSEPH D. MATARAZZO, PH.D., *Research Associate in Psychology.*
LOVICK C. MILLER, PH.D., *Research Associate in Psychology in the Department of Psychiatry.*
GEORGE A. TALLAND, PH.D., *Research Associate in Psychology.*
SAMUEL WALDFOGEL, PH.D., *Research Associate in Psychology in the Department of Psychiatry.*
JOHN A. ABBOTT, M.D., *Instructor in Neurology.*
HAROLD S. ALBERT, M.D., C.M., *Instructor in Psychiatry.*
MYER ASEKOFF, M.D., *Instructor in Psychiatry.*
CHARLES R. ATWELL, A.M., *Instructor in Psychology.*
HERBERT BARRY, JR., PH.D., M.D., *Instructor in Psychiatry.*
CLEMENS E. BENDA, M.D., *Instructor in Neuropathology.*
MARTIN A. BEREZIN, M.D., *Instructor in Psychiatry.*
LEO BERMAN, M.D., *Instructor in Psychiatry.*
GASTON E. BLUM, M.D., *Instructor in Psychiatry.*
SAMUEL BOJAR, M.D., *Instructor in Psychiatry.*
MADELAINE R. BROWN, M.D., *Instructor in Neurology.*
LOUIS S. CHASE, M.D., *Instructor in Psychiatry.*

- DANIEL C. DAWES, M.D., *Instructor in Psychiatry.*
LYDIA G. DAWES, M.D., *Instructor in Psychiatry.*
HERBERT J. DESHON, M.D., *Instructor in Psychiatry.*
THOMAS F. DWYER, M.D., *Instructor in Psychiatry.*
SAMUEL H. EPSTEIN, M.D., *Instructor in Neurology.*
GERTRUDE R. GREENBLATT, M.D., *Instructor in Psychiatry.*
SIMON HORENSTEIN, M.D., *Instructor in Neurology.*
PAUL M. HOWARD, M.D., *Instructor in Psychiatry.*
ROBERT W. HYDE, M.D., *Instructor in Psychiatry.*
CHARLES A. KANE, M.D., *Instructor in Neurology.*
EDMUND N. KUDARAUŠKAS, M.D., *Instructor in Psychiatry.*
JOHN H. LAMONT, M.D., *Instructor in Psychiatry.*
SCHOU L. LEVISON, M.D., *Instructor in Neurology.*
ALFRED O. LUDWIG, M.D., *Instructor in Psychiatry.*
MAXWELL E. MACDONALD, M.D., *Instructor in Neurology.*
JAMES MANN, M.D., *Instructor in Psychiatry.*
ROBERT H. McCARTER, M.D., *Instructor in Psychiatry.*
WILLIAM F. McLAUGHLIN, M.D., C.M., *Instructor in Psychiatry.*
JEROME K. MERLIS, M.D., *Instructor in Neurology.*
JOHN S. MEYER, M.D., C.M., *Instructor in Neurology.*
JOSEPH J. MICHAELS, M.D., *Instructor in Psychiatry.*
JOSEPH J. MICHELSEN, M.D., *Instructor in Neurology.*
CECIL MUSHATT, M.D., *Instructor in Psychiatry.*
JOHN C. NEMIAH, M.D., *Instructor in Psychiatry.*
VINCENT P. PERLO, M.D., *Instructor in Neurology.*
HUNTINGTON PORTER, M.D., *Instructor in Neurology.*
FRED A. QUADFASSEL, M.D., *Instructor in Neurology.*
EVAOLEEN N. REXFORD, M.D., *Instructor in Psychiatry.*
EDWARD P. RICHARDSON, JR., M.D., *Instructor in Neurology.*
BENJAMIN C. RIGGS, M.D., *Instructor in Psychiatry.*
NICHOLAS D. RIZZO, M.D., *Instructor in Psychiatry.*
BERTRAM SELVERSTONE, M.D., *Instructor in Neuropathology.*
PETER E. SIENOS, M.D., *Instructor in Psychiatry.*
MALVINA STOCK, M.D., *Instructor in Psychiatry.*
JOHN F. SULLIVAN, M.D., *Instructor in Neurology.*
HELEN H. TARTAKOFF, M.D., *Instructor in Psychiatry.*
WILLIAM H. TIMBERLAKE, M.D., *Instructor in Neurology.*
ARTHUR F. VALENSTEIN, M.D., *Instructor in Psychiatry* (on leave of absence
September 1955-January 1956).
JEROME L. WEINBERGER, M.D., *Instructor in Psychiatry.*
AVERY D. WEISMAN, M.D., *Instructor in Psychiatry.*
HENRY WERMER, M.D., *Instructor in Psychiatry.*
LEMOYNE WHITE, M.D., *Instructor in Psychiatry.*

- W. FRANKLIN WOOD, M.D., *Instructor in Psychiatry.*
NORMAN E. ZINBERG, M.D., *Instructor in Psychiatry.*
MORRIS H. ADLER, M.D., *Assistant in Psychiatry.*
BETTY Q. BANKER, M.D., *Assistant in Neurology.*
TULLY BENARON, M.D., *Assistant in Psychiatry.*
JOHN R. BLITZER, M.D., *Assistant in Psychiatry.*
JOHN S. BOCKOVEN, M.D., *Assistant in Psychiatry.*
LENORE A. BOLING, M.D., *Assistant in Psychiatry.*
FRANCES J. BONNER, M.D., *Assistant in Psychiatry.*
WILLIS H. BOWER, M.D., *Assistant in Psychiatry.*
FRANKLIN CARTER, M.D., *Assistant in Psychiatry.*
MORRIS E. CHAFETZ, M.D., *Assistant in Psychiatry.*
JOHN C. COOLIDGE, M.D., *Assistant in Psychiatry.*
FREDERICK H. CUMMER, M.D., *Assistant in Psychiatry.*
CHESTER C. d'AUTREMONT, M.D., *Assistant in Psychiatry.*
ALBERT C. ENGLAND, JR., M.D., *Assistant in Neurology.*
ABRAHAM FINEMAN, M.D., *Assistant in Psychiatry.*
DONALD S. GAIR, M.D., *Assistant in Psychiatry.*
MARTIN R. GARDNER, M.D., *Assistant in Psychiatry.*
BENJAMIN F. GILL, M.D., *Assistant in Psychiatry.*
MAX GOLDMAN, M.D., *Assistant in Neurology.*
JACK GREEN, M.D., C.M., *Assistant in Psychiatry.*
VOLTA R. HALL, M.D., *Assistant in Psychiatry.*
HERBERT I. HARRIS, M.D., *Assistant in Psychiatry.*
HELEN H. HESS, M.D., *Assistant in Neuropathology.*
RICHMOND HOLDER, M.D., *Assistant in Psychiatry.*
RALPH J. KAHANA, M.D., *Assistant in Psychiatry.*
ERNEST KAHN, M.D., *Assistant in Psychiatry.*
STANLEY S. KANTER, M.D., *Assistant in Psychiatry.*
SAMUEL KAPLAN, M.D., *Assistant in Psychiatry.*
IRVING KAUFMAN, M.D., *Assistant in Psychiatry.*
ABRAHAM KAYE, M.D., *Assistant in Psychiatry.*
THADDEUS P. KRUSH, M.D., *Assistant in Psychiatry (resigned December 31, 1955).*
SIDNEY LEVIN, M.D., *Assistant in Psychiatry.*
JULIUS LEVINE, M.D., *Assistant in Psychiatry.*
MARIA P. LORENZ, M.D., *Assistant in Psychiatry.*
ROBERT R. MEZER, M.D., *Assistant in Psychiatry.*
ARNOLD MODELL, M.D., *Assistant in Psychiatry.*
THOMAS A. MORRIS, JR., M.D., *Assistant in Psychiatry.*
NORMAN L. PAUL, M.D., *Assistant in Psychiatry.*
EDMUND C. PAYNE, JR., M.D., *Assistant in Psychiatry.*
HERBERT I. POSIN, M.D., *Assistant in Psychiatry.*

- LEONARD J. ROBINSON, M.D., *Assistant in Psychiatry.*
 NANCY ROLLINS (YOUSE), M.D., *Assistant in Psychiatry.*
 KURT E. ROSE, M.D., *Assistant in Psychiatry.*
 JOSEPH C. SABBATH, M.D., C.M., *Assistant in Psychiatry.*
 ADELE E. SCHARL, M.D., *Assistant in Psychiatry.*
 LIONEL A. SCHWARTZ, M.D., *Assistant in Psychiatry.*
 JAMES D. SHARPE, M.D., *Assistant in Psychiatry.*
 WILLIAM O. SIRES, M.D., *Assistant in Psychiatry.*
 BENSON R. SNYDER, M.D., *Assistant in Psychiatry.*
 HAROLD D. STALVEY, M.D., *Assistant in Psychiatry.*
 ALVIN V. STANDER, M.D., *Assistant in Psychiatry.*
 CHRISTOPHER T. STANDISH, M.D., *Assistant in Psychiatry.*
 RUTH E. STAUFFER (BUCKLEY), M.D., *Assistant in Neurology.*
 ELLIOTT H. SWEETSER, M.D., *Assistant in Psychiatry.*
 PAUL L. WATSON, M.D., *Assistant in Psychiatry.*
 LIONELLE D. WELLS, M.D., *Assistant in Psychiatry.*
 JOANN WILSON, M.D., *Assistant in Psychiatry.*
 JAMES H. WINGATE, M.D., *Assistant in Psychiatry.*
 GEORGE H. WOODWARD, M.D., *Assistant in Psychiatry.*
 MAX L. WOOL, M.D., *Assistant in Psychiatry.*
 ROBERT S. ADAMS, M.D., *Research Fellow in Psychiatry.*
 JOHN S. BARLOW, M.D., *Research Fellow in Neurology.*
 NORMAN R. BERNSTEIN, M.D., *Research Fellow in Psychiatry.*
 RUTH B. BEUSCHER, M.D., *Research Fellow in Psychiatry.*
 RICHARD W. BOYD, PH.D., *Research Fellow in Psychiatry.*
 JIMMIE C. BROCKMAN, M.D., *Research Fellow in Psychiatry.*
 GIAN E. CHATRIAN, M.D., *Research Fellow in Psychiatry* (resigned January 15, 1956).
 CHU-CHANG CHEN, M.D., *Research Fellow in Psychiatry.*
 HUGO DEL BOSQUE, M.D., *Research Fellow in Psychiatry.*
 FRANCIS L. A. DEMARNEFFE, M.B., CH.B., *Research Fellow in Psychiatry.*
 CHARLOTTE R. GOLDMAN, M.D., *Research Fellow in Psychiatry.*
 JOAE GRAHAM, M.D., *Research Fellow in Psychiatry.*
 SALOMON HAKIM, M.D., *Research Fellow in Neurology.*
 OGDEN R. LINDSLEY, S.M., *Research Fellow in Psychology.*
 SAMUEL L. MOGUL, M.D., *Research Fellow in Psychiatry.*
 ARTHUR Z. MUTTER, M.D., *Research Fellow in Psychiatry.*
 TNUVA W. PAUL, M.D., *Research Fellow in Psychiatry.*
 JOHN F. REICHARD, M.D., *Research Fellow in Psychiatry.*
 ROBERT C. REID, M.D., *Research Fellow in Psychiatry.*
 ANDRES ROSSELLI, M.D., *Research Fellow in Neurology.*
 WILLIAM VAN DUYNE, M.D., *Research Fellow in Psychiatry.*
 JOHN VORENBERG, M.D., *Research Fellow in Psychiatry.*

- WILLIAM ACKERLY, M.D., *Teaching Fellow in Psychiatry.*
ARTHUR J. CAIN, M.D., *Teaching Fellow in Psychiatry.*
MIRIAM W. CARMICHAEL, M.D., *Teaching Fellow in Neurology.*
JOHN G. CLARK, JR., M.D., *Teaching Fellow in Psychiatry* (resigned December 31, 1955).
HERBERT S. CLINE, M.D., *Teaching Fellow in Psychiatry.*
MARSHALL D. COLEMAN, M.D., *Teaching Fellow in Psychiatry.*
MARTIN R. COLES, M.D., *Teaching Fellow in Psychiatry.*
PIERRE M. DREYFUS, M.D., *Teaching Fellow in Neuropathology.*
RICHARD ESSER, M.D., *Teaching Fellow in Psychiatry.*
RICHARD GALDSTON, M.D., *Teaching Fellow in Psychiatry.*
NORMAN GESCHWIND, M.D., *Teaching Fellow in Neurology.*
SHEPARD C. GINANDES, M.D., *Teaching Fellow in Psychiatry.*
HERBERT J. GOLDINGS, M.D., *Teaching Fellow in Psychiatry.*
HENRY GRUNEBaum, M.D., *Teaching Fellow in Psychiatry.*
LESTON L. HAVENS, M.D., *Teaching Fellow in Psychiatry.*
JAMES A. HAYCOX, M.D., *Teaching Fellow in Psychiatry* (resigned December 31, 1955).
WAYNE HEBERTSON, M.D., *Teaching Fellow in Neurology.*
ARTHUR R. KRAVITZ, M.D., *Teaching Fellow in Psychiatry.*
P. HERBERT LEIDERMAN, M.D., *Teaching Fellow in Neurology.*
GWYN LILE, M.D., *Teaching Fellow in Psychiatry.*
ANDREAS A. MARCOTTY, M.D., *Teaching Fellow in Psychiatry.*
ROY W. MENNINGER, M.D., *Teaching Fellow in Psychiatry.*
JULE P. MILLER, JR., M.D., *Teaching Fellow in Psychiatry.*
KATHLEEN M. MOGUL, M.D., *Teaching Fellow in Psychiatry.*
ROBERT F. MOORE, M.D., *Teaching Fellow in Psychiatry.*
PATRICIA NEELY, M.D., *Teaching Fellow in Psychiatry.*
ALBERT S. NORRIS, M.D., *Teaching Fellow in Psychiatry.*
DONALD H. OSTERBERG, M.D., *Teaching Fellow in Neurology.*
JOHN H. PARKS, M.D., *Teaching Fellow in Psychiatry.*
FRANCOISE J. ROBERT, M.D., *Teaching Fellow in Neuropathology.*
RUICK S. ROLLAND, M.D., *Teaching Fellow in Psychiatry.*
BENJAMIN SHAMBAUGH, M.D., *Teaching Fellow in Psychiatry.*
MILES F. SHORE, M.D., *Teaching Fellow in Psychiatry.*
RICHARD L. SIDMAN, M.D., *Teaching Fellow in Neurology.*
HELEN D. WALLACH, M.D., *Teaching Fellow in Psychiatry.*
MARK M. WALTER, JR., M.D., M.P.H., *Teaching Fellow in Psychiatry* (resigned December 31, 1955).
STEPHEN L. WASHBURN, M.D., *Teaching Fellow in Psychiatry.*
HENRY D. WEBSTER, M.D., *Teaching Fellow in Neurology.*
THOMAS G. WEBSTER, M.D., *Teaching Fellow in Psychiatry.*
DONALD WEXLER, M.D., *Teaching Fellow in Psychiatry.*

HOWARD E. WULSIN, M.D., *Teaching Fellow in Psychiatry.*

Affiliated:

RANDOLPH K. BYERS, M.D., *Assistant Clinical Professor of Pediatrics.*

DANE G. PRUGH, M.D., *Assistant Professor of Pediatrics.*

MANDEL E. COHEN, M.D., *Instructor in Medicine.*

Neurology

REQUIRED COURSES

NEUROLOGY A. *Second Year.*—Clinical lectures are given at the Boston City and Massachusetts General Hospitals to the entire class. The object of the course is to give the student a general knowledge of the principles of diagnosis and treatment of diseases of the nervous system as a preparation for later work.

NEUROLOGY B. *Third Year.*—Clinical lectures are given in the third year at the Boston City and the Massachusetts General Hospitals. The members of the class are also required to work in the neurological service at the B.C.H. or M.G.H. in sections during the year. For this work the more didactic teaching of the second year serves as a necessary preparation. The work is practical in character and serves to bring the student into immediate contact with patients.

SECOND YEAR

HOURS

Clinical lectures. Dr. DENNY-BROWN, B.C.H. and Dr. ADAMS, M.G.H. 12

THIRD YEAR

Clinical lectures. Dr. DENNY-BROWN, B.C.H. and Dr. ADAMS, M.G.H.

Last eight Saturdays in first half-year.

12

Section teaching. B.C.H. and M.G.H. *Each student attends ten or eleven two and a half-hour exercises in neurology.*

27

FOURTH YEAR ELECTIVE COURSES

1. Neurology. Dr. DENNY-BROWN, B.C.H. Whole course (clerkship), all day.
2. Neurology. Dr. ADAMS, M.G.H. Whole course (clerkship), all day. Each course limited to two students each month.

Neuropathology

REQUIRED COURSE

NEUROPATHOLOGY A. *Second Year.*—The course consists of lectures, laboratory work, and demonstrations, amounting to fifty-four hours. The lectures introduce conceptions of value for the third year courses in neurology

and psychiatry and for the neurological parts of courses in internal medicine and in surgery. Microscopical and gross specimens are studied.

SECOND YEAR

HOURS

Lectures and laboratory work. Staff. *Three times a week, for six weeks.* 54

FOURTH YEAR ELECTIVE COURSE

20. Laboratory work. Opportunities for research are available at the laboratories of the M.G.H., B.C.H., and H.M.S. Time and instructor to be arranged with Drs. ADAMS or DENNY-BROWN.

Psychiatry

REQUIRED COURSES

First Year.—Normal Emotional Development. Ten lectures. Introduction to the facts which have been established concerning the development of the human personality in the setting of the family and the culture. The course reviews some of the factors which must be considered in order helpfully to understand any human being whether he be sick or well, and the foundation is laid for the more advanced courses in psychopathology. The lectures deal with the development of the human personality from infancy through childhood, in adolescence, during maturity with special emphasis on the problems of vocation and marriage, and finally with the personal implications of aging. Stress is laid on the influence of anxiety and of unconscious forces on human behavior.

PSYCHIATRY A. *Second Year.*—The course consists of lectures introducing the methods of history-taking and the examination of patients applicable to the study of patients with psychiatric disorders. It includes lectures and clinical instruction on wards of the general hospitals in sections of four students. It is designed to serve as a preparation for the third year, when the student will be in direct contact with patients on the wards of the hospital.

PSYCHIATRY B. *Third Year.*—The class is divided into small sections for the clinical study of patients. Each student will be given the opportunity for studying individual cases in the wards of the Boston Psychopathic Hospital. During the second half year clinical lectures will be given once a week at the Boston Psychopathic Hospital. The most important varieties of mental disorder will be presented with emphasis upon the early recognition of mental disease, the methods of treatment applicable, including psychotherapy, and the special psychiatric treatment methods.

PSYCHIATRY C. *Fourth Year.*—During the fourth year each student will serve as clinical clerk for one month at the Boston Psychopathic Hospital, the Massachusetts General Hospital, or McLean Hospital in conjunction with the Beth Israel Hospital, for out-patient work. Work with in-patients

will consist of the study of patients with various types of mental disorder, and their treatment by psychotherapy and other methods of modern psychiatry. Study and treatment of ambulatory patients, with emphasis on the applications of psychiatry to general medical practice, will be given by the Teaching Unit of The Southard Clinic and the out-patient departments of the Massachusetts General and Beth Israel Hospitals. Psychiatric problems of children will be discussed by staff members of the Judge Baker Foundation, and Children's Medical Center, in addition to the faculty associated with the B.P.H., M.G.H., and B.I.H.

FIRST YEAR	HOURS
Lectures on Medical Psychology. Dr. LINDEMANN and Associates. B.P.H. <i>Once a week, second half-year.</i>	16

SECOND YEAR	
Lectures. Dr. SOLOMON and Associates.	4
Section teaching. <i>Each student attends several three-hour exercises.</i>	18

THIRD YEAR	
Clinical lectures. Dr. SOLOMON and Associates. B.P.H. <i>Once a week, March, April and May.</i>	12
Section teaching. <i>Each student attends ten or eleven three-hour exercises.</i>	32

FOURTH YEAR	HOURS
C1, C2, C3. Clinical Clerkship. Drs. SOLOMON, LINDEMANN, BIBRING, STANTON, HOWARD, and WOOD. B.P.H., M.G.H., McL.H. and B.I.H.	144

FOURTH YEAR ELECTIVE COURSES

4. Psychiatry. Dr. SOLOMON and Associates. B.P.H. Whole course, all day, offered throughout the year.
5. Psychiatry. Dr. LINDEMANN and Associates. M.G.H. Whole course, all day.
6. Psychiatry. Dr. STANTON and Associates. McL.H. Clinical Clerkship. Whole course, all day.
7. Child Psychiatry. Dr. BLOM and Associates. M.G.H. Whole course, all day, offered throughout the year. (same course as Pediatrics 5)
8. Psychiatry. Dr. BIBRING and Associates. B.I.H. Whole course, all day.
9. Child Psychiatry. Dr. ROCHLIN and Associates. Whole course, all day.

Ophthalmology

EDWIN B. DUNPHY, M.D., *Henry Willard Williams Professor of Ophthalmology at the Massachusetts Eye and Ear Infirmary and Head of the Department.*

- DAVID G. COGAN, M.D., *Professor of Ophthalmology and Director of the Howe Laboratory of Ophthalmology.*
- PAUL A. CHANDLER, M.D., S.D. (hon.), *Associate Clinical Professor of Ophthalmology.*
- WILLIAM P. BEETHAM, M.D., *Assistant Clinical Professor of Ophthalmology.*
- VIRGIL G. CASTEN, M.D., *Assistant Clinical Professor of Ophthalmology.*
- HENRY F. ALLEN, M.D., *Clinical Associate in Ophthalmology.*
- CHARLES L. SCHEPENS, M.D., *Clinical Associate in Ophthalmology.*
- ALBERT E. SLOANE, M.D., *Clinical Associate in Ophthalmology.*
- PAUL BOEDER, Ph.D., *Lecturer on Ophthalmology.*
- RUSSELL L. CARPENTER, Ph.D., *Lecturer on Ophthalmology.*
- TRYGVE GUNDERSEN, M.D., *Lecturer on Ophthalmology.*
- ENDRE A. BALAZS, M.D., *Instructor in Ophthalmic Research.*
- HARRY E. BRACONIER, M.D., *Instructor in Ophthalmology.*
- THOMAS J. CAVANAUGH, M.D., C.M., *Instructor in Ophthalmology.*
- JOSEPH M. CLOUGH, M.D., *Instructor in Ophthalmology.*
- MAHLON T. EASTON, M.D., *Instructor in Ophthalmology.*
- MARIE A. JAKUS, Ph.D., *Instructor in Ophthalmic Research.*
- CARL C. JOHNSON, M.D., *Instructor in Ophthalmology.*
- BRENDAN D. LEAHEY, M.D., *Instructor in Ophthalmology.*
- SUMNER D. LIEBMAN, M.D., *Instructor in Ophthalmology.*
- S. FORREST MARTIN, M.D., *Instructor in Ophthalmology.*
- HENRY A. MOSHER, M.D., *Instructor in Ophthalmology.*
- ABRAHAM POLLEN, M.D., *Instructor in Ophthalmology.*
- EARL S. SEALE, M.D., *Instructor in Ophthalmology.*
- GARRETT L. SULLIVAN, JR., M.D., *Instructor in Ophthalmology.*
- LEONA R. ZACHARIAS, Ph.D., *Instructor in Ophthalmic Research.*
- ROBERT J. BROCKHURST, M.D., *Assistant in Ophthalmology.*
- JULIAN F. CHISHOLM, JR., M.D., *Assistant in Ophthalmology.*
- JOHN M. HILL, M.D., *Assistant in Ophthalmology.*
- RICHARD B. PIPPITT, M.D., *Assistant in Ophthalmology.*
- CHARLES D. J. REGAN, M.D., *Assistant in Ophthalmology.*
- KARL RIEMER, M.D., *Assistant in Ophthalmology.*
- TAYLOR R. SMITH, M.D., *Assistant in Ophthalmology.*

REQUIRED COURSES

First Year. — Instruction in anatomy and physiology of the eye.

Second Year. — Instruction in pathology and pharmacology of the eye.

Third Year. — Instruction in clinical ophthalmology.

	THIRD YEAR	HOURS
Thirteen clinical exercises. M.E.E.I.		32
Lectures on clinical ophthalmology. H.M.S., <i>second half-year.</i>		5

FOURTH YEAR ELECTIVE COURSE

1. Clinical Ophthalmology. Drs. DUNPHY, CHANDLER and Associates. M.E.E.I. Whole course, all day.

Howe Laboratory of Ophthalmology

DAVID G. COGAN, M.D., *Professor of Ophthalmology and Director of the Howe Laboratory of Ophthalmology.*

W. MORTON GRANT, M.D., *Associate Professor of Ophthalmology at the Massachusetts Eye and Ear Infirmary.*

DAVID D. DONALDSON, M.D., *Instructor in Ophthalmic Research.*

HAROLD L. KERN, PH.D., *Instructor in Ophthalmic Research.*

JIN H. KINOSHITA, PH.D., *Instructor in Biochemistry and Ophthalmic Research at the Howe Laboratory of Ophthalmology.*

TOICHIRO KUWABARA, M.D., *Instructor in Ophthalmic Research.*

ROBERT R. TROTTER, M.D., *Instructor in Ophthalmic Research.*

The Howe Laboratory of Ophthalmology was founded in 1927 by the late Dr. Lucien Howe. A sum of money equal to that given by Dr. Howe was donated by the Rockefeller Foundation. Laboratory space was provided by the Massachusetts Eye and Ear Infirmary.

The purpose of the laboratory is to advance ophthalmology; its researches are not restricted to any particular phase of this science. Advantage is taken of the rich clinical material of the Infirmary. While the laboratory is purely an institution for research, the services of the various members of the staff are available for teaching in the Harvard Medical School and for assistance in the clinical work of the Infirmary.

Radiology

MERRILL C. SOSMAN, M.D., *Professor of Radiology at the Peter Bent Brigham Hospital and Head of the Department.*

FELIX G. FLEISCHNER, M.D., *Clinical Professor of Radiology.*

EDWARD B. D. NEUHAUSER, M.D., *Associate Clinical Professor of Radiology.*

LAURENCE L. ROBBINS, M.D., *Associate Clinical Professor of Radiology.*

MAX RITVO, M.D., *Assistant Clinical Professor of Radiology.*

MILFORD D. SCHULZ, M.D., *Assistant Clinical Professor of Radiology.*

MARTIN H. WITTENBERG, M.D., *Assistant Clinical Professor of Radiology.*

STANLEY M. WYMAN, M.D., *Assistant Clinical Professor of Radiology.*

ALEXANDER S. MACMILLAN, M.D., *Clinical Associate in Radiology.*

RICHARD SCHATZKI, M.D., *Clinical Associate in Radiology.*

ARNOLD L. BERENBERG, M.D., *Instructor in Radiology.*

JAMES B. DEALY, JR., M.D., *Instructor in Radiology.*

JOSEPH HANELIN, M.D., *Instructor in Radiology.*

- EDWARD J. HEALEY, M.D., *Instructor in Radiology.*
 JOSEPH H. MARKS, M.D., *Instructor in Radiology.*
 IRVING A. SHAUFFER, M.D., *Instructor in Radiology.*
 JOHN L. SOSMAN, M.D., *Instructor in Radiology.*
 BORIS P. BUSHUEFF, M.D., *Assistant in Radiology.*
 GIULO J. D'ANGIO, M.D., *Assistant in Radiology.*
 FRED L. DEGIACOMO, M.D., *Assistant in Radiology.*
 JOHN E. GARY, M.D., *Assistant in Radiology.*
 ROBERT S. GOLDBERG, M.D., *Assistant in Radiology* (resigned August 31, 1955).
 GEORGE B. C. HARRIS, M.D., *Assistant in Radiology.*
 ALEXANDER S. MACMILLAN, JR., M.D., *Assistant in Radiology.*
 JOHN REEVES, M.D., *Assistant in Radiology.*
 HELEN M. ROSS, M.D., *Assistant in Radiology.*
 PAUL M. G. ST. AUBIN, M.D., *Assistant in Radiology.*
 EDWARD W. WEBSTER, PH.D., *Assistant in Radiology.*
 RICHARD V. WILSON, M.D., *Assistant in Radiology.*
 RAYMOND M. FLYNN, M.D., *Research Fellow in Radiology.*
 ERIC R. BLAKELY, M.D., *Teaching Fellow in Radiology.*
 WALTER W. HERBERT, M.D., *Teaching Fellow in Radiology.*
 ALPHONSE J. B. PALUBINSKAS, M.D., *Teaching Fellow in Radiology.*
 JAMES A. PETERSON, M.D., *Teaching Fellow in Radiology.*
 FREDERICK S. TOMCHIK, M.D., *Teaching Fellow in Radiology.*
 CHIU-CHEN WANG, M.D., *Teaching Fellow in Radiology.*

REQUIRED COURSE

Third Year.—During the third year the following instruction will be offered: (a) five general lectures to the entire class on the heart, the lungs, the gastro-intestinal tract, pediatric X-ray and irradiation therapy, respectively; (b) seven clinical exercises in each trimester for the third of the class taking medicine, for the purpose of correlating clinical and roentgenological findings in major types of examinations; (c) exercises during each trimester for the third of the class taking surgery, involving observation and discussion of X-ray findings on surgical cases under study.

FOURTH YEAR ELECTIVE COURSES

Radiology. Drs. SOSMAN, P.B.B.H., ROBBINS, M.G.H., RITVO, B.C.H., FLEISCHNER, B.I.H., NEUHAUSER, C.M.C., MARKS, N.E.D.H., SCHATZKI, Mt. A.H., and BUSHUEFF, W.R.V.A.H.

Pediatrics

ALLAN M. BUTLER, M.D., *Professor of Pediatrics and Head of the Department at the Massachusetts General Hospital.*

- CHARLES A. JANEWAY, M.D., *Thomas Morgan Rotch Professor of Pediatrics, and Head of the Department at the Children's Hospital.*
- LOUIS K. DIAMOND, M.D., *Associate Professor of Pediatrics at the Children's Hospital.*
- CLEMENT A. SMITH, M.D., *Associate Professor of Pediatrics at the Boston Lying-in Hospital and Chairman of the Department.*
- NATHAN B. TALBOT, M.D., *Associate Professor of Pediatrics at the Massachusetts General Hospital.*
- RANDOLPH K. BYERS, M.D., *Assistant Clinical Professor of Pediatrics.*
- STEWART H. CLIFFORD, M.D., *Assistant Clinical Professor of Pediatrics.*
- JOHN D. CRAWFORD, M.D., *Assistant Professor of Pediatrics.*
- JOHN A. V. DAVIES, M.D., *Assistant Clinical Professor of Pediatrics.*
- R. CANNON ELEY, M.D., *Assistant Clinical Professor of Pediatrics.*
- J. ROSWELL GALLAGHER, M.D., *Assistant Clinical Professor of Pediatrics.*
- SYDNEY S. GELLIS, M.D., *Assistant Professor of Pediatrics at the Beth Israel Hospital.*
- BENEDICT F. MASSELL, M.D., *Assistant Clinical Professor of Pediatrics.*
- JACK METCOFF, M.D., M.P.H., *Assistant Professor of Pediatrics.*
- ALEXANDER S. NADAS, M.D., *Assistant Clinical Professor of Pediatrics.*
- DANE G. PRUGH, M.D., *Assistant Professor of Pediatrics (resigned August 31, 1955).*
- RALPH A. ROSS, M.D., *Assistant Clinical Professor of Pediatrics.*
- HARRY SHWACHMAN, M.D., *Assistant Professor of Pediatrics at the Children's Hospital.*
- FRED H. ALLEN, JR., M.D., *Clinical Associate in Pediatrics.*
- WILLIAM BERENBERG, M.D., *Clinical Associate in Pediatrics.*
- FREDERIC M. BLODGETT, M.D., *Associate in Pediatrics.*
- CHARLES D. COOK, M.D., *Associate in Pediatrics.*
- DAVID GITLIN, M.D., *Associate in Pediatrics.*
- ROBERT SCHWARTZ, M.D., *Associate in Pediatrics.*
- LOUIS WEINSTEIN, PH.D., M.D., *Lecturer on Infectious Diseases.*
- IRENA ANTONOWICZ, M.S., *Research Associate in Pediatrics.*
- A. RICHARDSON JONES, M.B., CH.B., *Research Associate in Pediatrics.*
- LOIS R. MAYPER, PH.D., *Research Associate in Pediatrics.*
- EDITH MEYER, PH.D., *Research Associate in Pediatrics.*
- EDNA H. SOBEL, M.D., *Research Associate in Pediatrics.*
- OLGA E. ALLERS, M.D., *Instructor in Pediatrics.*
- THOMAS B. BRAZELTON, M.D., *Instructor in Pediatrics.*
- JOHN K. BRINES, M.D., *Instructor in Pediatrics.*
- LEO B. BURGIN, M.D., *Instructor in Pediatrics.*
- JOHN F. CRIGLER, JR., M.D., *Instructor in Pediatrics.*
- RALPH W. DAFFINEE, M.D., *Instructor in Pediatrics.*
- DOUGLAS T. DAVIDSON, JR., M.D., *Instructor in Pediatrics.*

- WILLIAM A. DICKSON, M.D., *Instructor in Pediatrics.*
JAMES E. DRORBAUGH, M.D., *Instructor in Pediatrics.*
EDWARD C. DYER, M.D., *Instructor in Pediatrics.*
ALBERT A. FRANK, M.D., *Instructor in Pediatrics.*
HENRY E. GALLUP, M.D., *Instructor in Pediatrics.*
ROBERT N. GANZ, M.D., *Instructor in Pediatrics.*
FELIX P. HEALD, JR., M.D., *Instructor in Pediatrics.*
ALLEN M. HILL, M.D., *Instructor in Pediatrics.*
DORIS A. HOWELL, M.D., C.M., *Instructor in Pediatrics.*
DAVID Y. HSIA, M.D., *Instructor in Pediatrics.*
DONALD H. JOLLY, M.D., C.M., *Instructor in Pediatrics.*
GERALD A. KERRIGAN, M.D., *Instructor in Pediatrics.*
WILLIAM F. KETCHUM, M.D., *Instructor in Pediatrics.*
SIDNEY KIBRICK, PH.D., M.D., *Instructor in Pediatrics.*
CESARE T. LOMBRISO, M.D., *Instructor in Pediatrics.*
FRANCIS C. McDONALD, M.D., *Instructor in Pediatrics.*
DOROTHEA M. MOORE, M.D., *Instructor in Pediatrics.*
ROBERT T. MOULTON, M.D., *Instructor in Pediatrics.*
HARRY L. MUELLER, M.D., *Instructor in Pediatrics.*
RICHMOND S. PAINE, M.D., *Instructor in Pediatrics.*
WILLIAM PFEFFER, JR., M.D., *Instructor in Pediatrics.*
GERTRUD C. REYERSBACH, M.D., *Instructor in Pediatrics.*
ABRAHAM M. RUDOLPH, M.D., *Instructor in Pediatrics.*
KENNETH F. SANDS, M.D., *Instructor in Pediatrics.*
ROBERT T. SCEERY, M.D., *Instructor in Pediatrics.*
ABRAHAM S. SMALL, M.D., *Instructor in Pediatrics.*
LONDON SNEDEKER, M.D., M.P.H., *Instructor in Pediatrics.*
RICHARD C. TEFFT, JR., M.D., *Instructor in Pediatrics.*
RUDOLPH TOCH, M.D., *Instructor in Pediatrics.*
WILLIAM J. TURTLE, M.D., *Instructor in Pediatrics.*
JOHN W. G. TUTHILL, M.D., *Instructor in Pediatrics.*
ELEONORE C. ZAUDY, M.D., *Instructor in Pediatrics.*
LEONARD B. BELLIN, M.D., *Assistant in Pediatrics.*
BERNARD A. BERMAN, M.D., *Assistant in Pediatrics.*
ALBERT COHEN, M.D., *Assistant in Pediatrics.*
GEORGE T. CRITZ, M.D., *Assistant in Pediatrics.*
KELLEY K. DAVIS, M.D., *Assistant in Pediatrics.*
RICHARD R. DOOLEY, M.D., *Assistant in Pediatrics.*
WILLIAM R. DORSEY, M.D., C.M., *Assistant in Pediatrics.*
LEROY L. ELDRIDGE, JR., M.D., *Assistant in Pediatrics.*
LAWRENCE J. ESSEMBER, M.D., *Assistant in Pediatrics.*
ELIZABETH G. FRENCH, M.D., *Assistant in Pediatrics.*
ELIZABETH A. GREGORY, M.D., *Assistant in Pediatrics.*

- ROBERT J. HAGGERTY, M.D., *Assistant in Pediatrics.*
 SPRAGUE W. HAZARD, M.D., *Assistant in Pediatrics.*
 MAURICE N. KAY, M.D., *Assistant in Pediatrics.*
 ALEXANDER S. MACDONALD, JR., M.D., *Assistant in Pediatrics.*
 ROBERT P. MASLAND, JR., M.D., *Assistant in Pediatrics.*
 JOSEPH J. MCGOVERN, M.D., *Assistant in Pediatrics.*
 EDWARD F. MCGRATH, M.D., *Assistant in Pediatrics.*
 DONALD E. MCLEAN, M.D., *Assistant in Pediatrics.*
 LAWRENCE S. MORSE, M.D., *Assistant in Pediatrics.*
 ROBERT J. ORME, M.D., *Assistant in Pediatrics.*
 JOSEPH OSBORNE, M.D., *Assistant in Pediatrics.*
 MAURICE M. OSBORNE, JR., M.D., *Assistant in Pediatrics* (resigned August 31, 1955).
 THOMAS C. PEEBLES, M.D., *Assistant in Pediatrics.*
 MURRAY E. PENDLETON, M.D., *Assistant in Pediatrics.*
 HOWARD J. POTTER, M.D., *Assistant in Pediatrics.*
 HENRY M. PUTNAM, M.D., *Assistant in Pediatrics.*
 SUJOY B. ROY, M.B., CH.B., *Assistant in Pediatrics.*
 GERALD B. SHATTUCK, M.D., *Assistant in Pediatrics.*
 JOHN A. SPARGO, M.D., *Assistant in Pediatrics.*
 WILHELMINA VANDYKE, M.D., *Assistant in Pediatrics.*
 JACOB WALLACE, M.D., *Assistant in Pediatrics.*
 HAROLD J. WHEELER, M.D., *Assistant in Pediatrics.*
 WILLIAM D. WINTER, JR., M.D., *Assistant in Pediatrics.*
 ELIOT YOUNG, M.D., *Assistant in Pediatrics.*
 JEAN AICARDI, M.D., *Research Fellow in Pediatrics.*
 DONALD M. ALLEN, M.D., *Research Fellow in Pediatrics.*
 MARY L. BERTUCIO, M.D., *Research Fellow in Pediatrics.*
 MICHAEL CURTIN, M.D., *Research Fellow in Pediatrics.*
 FRANCIS X. FELLERS, M.D., *Research Fellow in Pediatrics.*
 LOUIS FRIEDLANDER, M.B., CH.B., *Milton Research Fellow in Pediatrics.*
 DONALD C. FYLER, M.D., *Research Fellow in Pediatrics.*
 PARK S. GERALD, M.D., *Research Fellow in Pediatrics.*
 DOUGLAS C. HEINER, M.D., *Research Fellow in Pediatrics.*
 DONALD HILLMAN, M.D., C.M., *Research Fellow in Pediatrics.*
 WALTER H. HITZIG, M.D., *Research Fellow in Pediatrics.*
 ALAN L. KAITZ, M.D., *Research Fellow in Pediatrics.*
 JEROLD F. LUCEY, M.D., *Research Fellow in Pediatrics.*
 FRANK B. MAGILL, M.D., *Research Fellow in Pediatrics.*
 GEORGE MARTNER, M.D., *Research Fellow in Pediatrics.*
 THOMAS E. OPPÉ, M.B., CH.B., *Milton Research Fellow in Pediatrics* (resigned July 31, 1955).
 MILTON H. PAUL, M.D., *Research Fellow in Pediatrics.*

- FREDERICK S. PORTER, M.D., *Research Fellow in Pediatrics.*
 SYDNEY SEGAL, M.D., C.M., *Research Fellow in Pediatrics* (resigned December 31, 1955).
 AUGUSTO SCHUSTER (CORTES), M.D., *Research Fellow in Pediatrics* (resigned February 29, 1956).
 HERMAN W. SPATER, M.D., *Research Fellow in Pediatrics.*
 SAMUEL L. STANCER, M.D., *Research Fellow in Pediatrics.*
 JAMES M. SUTHERLAND, M.D., *Research Fellow in Pediatrics.*
 MARY L. TERRY, A.B., *Research Fellow in Pediatrics.*
 AUGUSTO J. WINTER, M.D., *Research Fellow in Pediatrics* (resigned November 30, 1955).
 PHILIP ADLER, M.D., *Teaching Fellow in Pediatrics.*
 LEWIS B. ANDERSON, M.D., *Teaching Fellow in Pediatrics* (resigned December 31, 1955).
 PETER A. M. AULD, M.D., C.M., *Teaching Fellow in Pediatrics* (resigned December 31, 1955).
 WILLIAM R. BUCHANAN, JR., M.D., *Teaching Fellow in Pediatrics.*
 BRADFORD P. COHN, M.D., *Teaching Fellow in Pediatrics.*
 DICK HOEFNAGEL, M.D., *Teaching Fellow in Pediatrics.*
 SAMUEL L. KATZ, M.D., *Teaching Fellow in Pediatrics.*
 JOAN KAZANJIAN, M.D., *Teaching Fellow in Pediatrics.*
 RICHARD B. KEARSLEY, M.D., *Teaching Fellow in Pediatrics.*
 LAUREL E. KEITH, M.D., *Teaching Fellow in Pediatrics.*
 KAZUO K. KIMURA, PH.D., M.D., *Teaching Fellow in Pediatrics.*
 ARTHUR J. MARKUS, M.D., C.M., *Teaching Fellow in Pediatrics.*
 JOHN D. McDONALD, M.B., CH.B., *Teaching Fellow in Pediatrics.*
 LYLE T. McDONALD, M.D., *Teaching Fellow in Pediatrics.*
 WILLIAM T. McLEAN, JR., M.D., *Teaching Fellow in Pediatrics.*
 RICHARD H. MEADE, 3D, M.D., *Teaching Fellow in Pediatrics.*
 KAREEN B. MINHAS, M.D., *Teaching Fellow in Pediatrics.*
 JOHN P. MORRIS, M.D., *Teaching Fellow in Pediatrics* (resigned December 31, 1955).
 PATRICK A. ONGLEY, M.B., CH.B., *Teaching Fellow in Pediatrics.*
 BARBARA M. ORSKI, M.D., *Teaching Fellow in Pediatrics.*
 LEONARD H. PLOTKIN, M.D., *Teaching Fellow in Pediatrics.*
 JOHN S. ROBEY, M.D., *Teaching Fellow in Pediatrics.*
 ERIC J. WAKE, M.D., *Teaching Fellow in Pediatrics.*
 CARL H. WEATHERLY, JR., M.D., *Teaching Fellow in Pediatrics.*
 MOHSEN ZIAI, M.D., *Teaching Fellow in Pediatrics.*

Affiliated:

- (GEORGE E. GARDNER, M.D., *Clinical Professor of Psychiatry.*
 ERICH LINDEMANN, DR. PHIL., M.D., *Professor of Psychiatry.*

- HAROLD C. STUART, M.D., *Professor of Maternal and Child Health, S.P.H.*
 THOMAS H. WELLER, M.D., *Richard Pearson Strong Professor of Tropical Public Health, S.P.H.*
 GERALD CAPLAN, M.D., *Associate Professor of Mental Health, S.P.H.*
 BENJAMIN G. FERRIS, JR., M.D., *Assistant Professor of Physiology, S.P.H.*
 PAULINE G. STITT, M.D., M.P.H., *Assistant Professor of Maternal and Child Health, S.P.H.*
 EVAN CALKINS, M.D., *Associate in Medicine.*
 ARTHUR J. LINENTHAL, M.D., *Clinical Associate in Medicine.*
 GORDON S. MYERS, M.D., *Associate in Medicine at the Massachusetts General Hospital.*
 GASTON E. BLOM, M.D., *Instructor in Psychiatry.*
 JANET W. MCARTHUR, M.D., *Instructor in Medicine.*
 HENRY WERMER, M.D., *Instructor in Psychiatry.*
 SAMUEL KAPLAN, M.D., *Assistant in Psychiatry.*

REQUIRED COURSES

PEDIATRICS A. *Second Year.*—Nine whole class exercises. Lectures are given during the second year to familiarize the students with the study of children's diseases before they come into contact with patients. In this series are discussed the physiology of nutrition and the principles of infant feeding, the anatomical and physiological differences between children and adults, a consideration of the normal growth and development of children and the physiology and pathology of extracellular body fluids.

PEDIATRICS B. *Third Year.*—1. Eight whole class exercises are given during the first half-year in which the more important aspects of the diseases of childhood are presented. Three whole class lectures, on special subjects, are assigned to pediatrics by the Department of Medicine.

2. Section teaching: Each section, during its assignment to the Children's Hospital for thirty-two days, receives correlated instruction in pediatrics, surgery, and orthopaedic surgery. Each group of three students is assigned to the out-patient department and wards for fifteen periods of three hours each, where under the supervision of their instructor they receive actual experience in history-taking, physical examination and the care of infants and children. Conferences and clinics on important aspects of pediatrics form part of the course. One afternoon a week is devoted to demonstrations and practice in the care of the normal infant and child and five other afternoon exercises are devoted to infectious diseases, chiefly at the Haynes Memorial Hospital.

PEDIATRICS C. *Fourth Year.*—The fourth year work consists of a month of instruction, either at the Children's Medical Service of the Massachusetts General Hospital or at the Children's and Infants' Hospitals. The students

act as clinical clerks on the wards and receive instruction in infectious diseases at the Haynes Memorial Hospital once a week.

SECOND YEAR	HOURS
Clinical lectures. C.M.C. <i>Second half-year.</i>	9

THIRD YEAR	
Clinical lectures. C.M.C. <i>First half-year.</i>	8
Section teaching. C.M.C. <i>Throughout the year.</i>	63

FOURTH YEAR	
C1. Clinical Clerkship. Dr. JANEWAY and Associates. C.M.C.	144
C2. Clinical Clerkship. Dr. BUTLER and Associates. M.G.H.	144

FOURTH YEAR ELECTIVE COURSES

3. Advanced Pediatrics. Dr. JANEWAY and Associates. C.M.C. Whole course, all day.
4. Advanced Pediatrics. Dr. BUTLER and Associates. M.G.H. Whole course, all day.
5. Child Psychiatry. Dr. BLOM and Associates. M.G.H. Whole course, all day (same course as Psychiatry 7).
6. Infectious Diseases. Dr. WEINSTEIN. H.M.H. Whole course, all day.

Obstetrics

- DUNCAN E. REID, M.D., *William Lambert Richardson Professor of Obstetrics and Head of the Department.*
- THOMAS R. GOETHALS, M.D., *Clinical Professor of Obstetrics.*
- FRANKLIN F. SNYDER, M.D., *Associate Professor of Anatomy and Obstetrics.*
- HAROLD H. ROSENFELD, M.D., *Assistant Clinical Professor of Obstetrics.*
- CRAIG S. HOUSTON, M.D., *Lecturer on Obstetrics.*
- JOHN A. MACLAREN, PH.D., *Research Associate in Obstetrics.*
- CHARLES C. ROBY, PH.D., *Research Associate in Obstetrics.*
- DANIEL ABRAMSON, M.D., *Instructor in Obstetrics.*
- ROBERT H. BARKER, M.D., *Instructor in Obstetrics.*
- MARION F. EADES, M.D., *Instructor in Obstetrics.*
- A. GORDON GAULD, M.D., *Instructor in Gynecology and in Obstetrics.*
- CRAWFORD H. HINMAN, M.D., *Instructor in Obstetrics.*
- WALTER S. JONES, M.D., *Instructor in Obstetrics.*
- JOHN L. NEWELL, M.D., *Instructor in Obstetrics.*
- FRANCIS ROUILLARD, M.D., *Instructor in Obstetrics.*
- CHARLES P. SHELDON, M.D., *Instructor in Obstetrics.*
- JUDSON A. SMITH, M.D., *Instructor in Obstetrics.*
- HERBERT E. BROOKS, JR., M.D., *Assistant in Obstetrics.*

- BERTRAM H. BUXTON, JR., M.D., *Assistant in Obstetrics.*
 LUKE GILLESPIE, M.D., *Assistant in Gynecology and in Obstetrics.*
 ARTHUR C. GORBACH, JR., M.D., *Assistant in Obstetrics.*
 RICHARD H. GROGAN, M.D., *Assistant in Obstetrics and Gynecology.*
 DANIEL H. HINDMAN, M.D., *Assistant in Obstetrics.*
 RUBY G. JACKSON, M.D., C.M., *Assistant in Obstetrics.*
 JOHN F. JEWETT, M.D., *Assistant in Obstetrics.*
 GEORGE E. LACROIX, M.D., *Assistant in Obstetrics.*
 FRANCIS R. LANE, M.D., *Assistant in Obstetrics.*
 HERBERT T. LEIGHTON, M.D., *Assistant in Obstetrics.*
 ALAN B. LITTLE, M.D., C.M., *Assistant in Obstetrics.*
 WILLIAM J. MACDONALD, M.D., *Assistant in Obstetrics.*
 WILLIAM J. MULLIGAN, M.D., *Assistant in Gynecology and in Obstetrics.*
 CHARLES POTTER, M.D., *Assistant in Obstetrics.*
 WILLIAM A. REID, M.D., *Assistant in Obstetrics.*
 FREDERIC W. RIPLEY, JR., M.D., *Assistant in Obstetrics.*
 SEYMOUR L. ROMNEY, M.D., *Assistant in Obstetrics.*
 SEYMOUR SACKS, M.D., *Assistant in Obstetrics.*
 ARTHUR J. SCHRAMM, M.D., *Assistant in Obstetrics.*
 WESTON F. SEWALL, M.D., *Assistant in Obstetrics.*
 LLOYD I. SEXTON, M.D., *Assistant in Obstetrics.*
 SIDNEY STAHLER, M.D., *Assistant in Obstetrics.*
 BARTLETT H. STONE, *Assistant in Gynecology and in Obstetrics.*
 ARTHUR W. TUCKER, JR., M.D., *Assistant in Gynecology and in Obstetrics.*
 JOHN TURNER, 2ND, M.D., *Assistant in Obstetrics.*
 ALBERT E. WEINER, M.D., *Assistant in Obstetrics.*
 ALLEN P. WINSOR, M.D., *Assistant in Obstetrics.*
 JOHN D. MCINTYRE, M.D., *Teaching Fellow in Obstetrics* (resigned December 31, 1955).
 CHARLES L. EASTERDAY, M.D., *Teaching Fellow in Obstetrics* (resigned December 31, 1955).

Affiliated:

- ARTHUR T. HERTIG, M.D., *Shattuck Professor of Pathological Anatomy.*
 SAMUEL B. KIRKWOOD, M.D., S.D.(hon.), *Clinical Professor of Maternal Health, S.P.H.*
 JOHN ROCK, M.D., *Clinical Professor of Gynecology.*
 CLEMENT A. SMITH, M.D., *Associate Professor of Pediatrics at the Boston Lying-in Hospital.*
 STEWART H. CLIFFORD, M.D., *Assistant Clinical Professor of Pediatrics.*
 CLAUDE A. VILLEE, JR., PH.D., *Assistant Professor of Biological Chemistry.*
 DONALD G. MCKAY, M.D., *Associate in Pathology at the Boston Lying-in Hospital and the Free Hospital for Women.*

KURT BENIRSCHKE, M.D., *Instructor in Pathology.*

DWAIN D. HAGERMAN, M.D., *Research Fellow in Biological Chemistry.*

REQUIRED COURSES

OBSTETRICS A. *Second Year.*—Twelve whole class exercises.

OBSTETRICS B. *Third Year.*—Students are assigned for a period of two weeks spending this time at the Boston Lying-in Hospital, or at the Providence Lying-in Hospital. Each student will have an opportunity to study the care of pregnancy in the prenatal clinic. Instruction will be given in the examination of the obstetrical pelvis and the fetal presentation and position. Under special instructors, considerable time will be devoted to conferences on normal obstetrics. The student will attend special clinics, and part of his time will be devoted to work in the labor and delivery rooms.

OBSTETRICS C. *Fourth Year.*—This course takes one month of the regular fourth year curriculum. It is given at the Boston Lying-in Hospital but a certain group of students are assigned to the Delivery Service at the Boston City Hospital. During one third of the course the student will lodge at the Hospital and devote the time chiefly to attendance on cases in the Hospital. In the course of this work the student will be called on to assist at operations and will be expected to make ward visits with the visiting physician on duty. The student will continue to conduct the convalescence of the cases delivered during resident service, and make daily ward visits at which clinical instruction will be given in the general management of normal and abnormal labor, the puerperal convalescence, and in the care of the young infant. During this period each student will be assigned to normal cases in the Hospital to follow through labor, delivery, and the puerperium. During one third of the course the student will take histories and examine all patients who are admitted to the Hospital with medical conditions complicating the pregnant state. The remainder of the time will be devoted to the care and problems of the newborn. During this period students will work closely with and receive instruction from the attending pediatrician. The student will also be given a course of demonstrations in operative obstetrics during resident service, and each student will have an opportunity to perform the different operations on the manikin. Student conferences and instruction in obstetrical pathology will be an important part of the course.

One of the requirements for the degree of M.D. at Harvard University states that each candidate must "have taken charge of and reported on twelve cases in obstetrics under supervision and instruction".

SECOND YEAR

HOURS

Lectures on Normal Obstetrics. Dr. REID and Associates. B.L.I.H.

Three times a week for four weeks.

12

THIRD YEAR

HOURS

- Lectures on Abnormal Obstetrics. Dr. REID and Associates. B.L.I.H.
Saturday mornings for twenty-four weeks. 24
- Practical instruction in Clinical Obstetrics. Drs. GOETHALS and ROUIL-
 LARD. *Throughout the year.* 104

FOURTH YEAR

- C1. General Obstetrics. Dr. REID and Associates. B.L.I.H. Practical
 instruction, in sections, in Clinical Obstetrics, including care of the
 newborn. *One month.* 144

VOLUNTARY COURSE

30. The Physiology of Reproduction. Dr. ROCK. Thursdays, 3.30 P.M.,
two lectures, H.M.S.

Preventive Medicine

DAVID D. RUTSTEIN, M.D., *Professor of Preventive Medicine and Head of the
 Department.*

DEAN A. CLARK, M.D., *Clinical Professor of Preventive Medicine.*

HARRIET L. HARDY, M.D., *Assistant Clinical Professor of Preventive Medi-
 cine.*

WILLIAM E. REYNOLDS, M.D., M.P.H., *Assistant Professor of Preventive
 Medicine (resigned August 31, 1955).*

CECIL G. SHEPS, M.D., M.P.H., *Lecturer on Preventive Medicine.*

ESTELLE F. INGENITO, PH.D., *Research Associate in Preventive Medicine.*

JOSEPH STOKES, 3D, M.D., *Instructor in Preventive Medicine.*

MARTHE GAUTIER, M.D., *Research Fellow in Preventive Medicine.*

JOHN R. GOLDSMITH, M.D., *Research Fellow in Preventive Medicine.*

Affiliated:

CONRAD WESSELHOEFT, M.D., *Visiting Lecturer on Infectious Diseases, S.P.H.*

JOHANNES IPSEN, JR., M.D., M.P.H., *Associate Professor of Public Health,
 S.P.H.*

JANE WORCESTER, DR.P.H., *Associate Professor of Biostatistics, S.P.H.*

MINDEL C. SHEPS, M.D., M.P.H., *Research Associate in Biostatistics, S.P.H.*

The preventive aspects of medicine and its various specialties are taught in all departments of the Medical School, and arrangements are made for the integration of such teaching with the more formal teaching in the required course in preventive medicine. An effort is made to stress those aspects of preventive medicine which concern the practicing physician, rather than those which concern the public health officer.

REQUIRED COURSES

PREVENTIVE MEDICINE A. *Third Year.*— The course in preventive medicine consists of clinics, lectures and symposia. The preventive aspects of clinical medicine are correlated with information in the fields of epidemiology, biostatistics, social medicine, occupational medicine, medical economics and environmental sanitation.

PREVENTIVE MEDICINE C. *Fourth Year.*— A Health Resources Survey, evaluating community facilities for the total medical care of specified patients, is required of all students.

THIRD YEAR	HOURS
Clinics, symposia and lectures. Dr. RUTSTEIN and Associates, in co-operation with representatives of other departments.	85

FOURTH YEAR	
Health Resources Survey and individual student conference.	50

FOURTH YEAR ELECTIVE COURSE

1. Advanced Work in Preventive Medicine and Epidemiology. Dr. RUTSTEIN and Associates. This includes opportunity for one month's work in the Division of Social Medicine, Montefiore Hospital, New York City.
2. Occupational Medicine. Dr. HARDY and Associates. M.G.H. and M.I.T. Whole course, all day. Limited to one student a month.

Surgery

EDWARD D. CHURCHILL, M.D., DR. (hon), S.D. (hon.), LL.D., *John Homans Professor of Surgery, and Head of the Department at the Massachusetts General Hospital.*

J. ENGLEBERT DUNPHY, M.D., *Professor of Surgery and Head of the Department at the Boston City Hospital.*

JACOB FINE, M.D., *Professor of Surgery at the Beth Israel Hospital, and Head of the Department at the Beth Israel Hospital.*

ROBERT E. GROSS, M.D., S.D. (hon.), *William E. Ladd Professor of Child Surgery, and Head of the Department at the Children's Hospital.*

FRANCIS D. MOORE, M.D., *Moseley Professor of Surgery, and Head of the Department at the Peter Bent Brigham Hospital.*

HENRY K. BEECHER, M.D., *Henry Isaiah Dorr Professor of Research in Anaesthesia.*

J. HARTWELL HARRISON, M.D., *Clinical Professor of Genito-Urinary Surgery.*

THOMAS H. LANMAN, M.D., *Clinical Professor of Surgery.*

- CHARLES C. LUND, M.D., *Clinical Professor of Surgery.*
 LELAND S. MCKITTRICK, M.D., *Clinical Professor of Surgery.*
 FRANCIS C. NEWTON, M.D., *Clinical Professor of Surgery.*
 JAMES C. WHITE, M.D., *Professor of Surgery at the Massachusetts General Hospital.*
 OLIVER COPE, M.D., DR. (hon.), *Associate Professor of Surgery.*
 DWIGHT E. HARKEN, M.D., *Associate Clinical Professor of Surgery.*
 FRANC D. INGRAHAM, M.D., *Associate Professor of Surgery at the Children's Hospital.*
 WYLAND F. LEADBETTER, M.D., *Associate Clinical Professor of Surgery.*
 DONALD D. MATSON, M.D., *Associate Clinical Professor of Surgery.*
 RICHARD H. SWEET, M.D., *Associate Clinical Professor of Surgery.*
 WILLIAM H. SWEET, M.D., *Associate Clinical Professor of Surgery.*
 LEROY D. VANDAM, M.D., *Associate Clinical Professor of Anaesthesia.*
 CARL W. WALTER, M.D., *Associate Clinical Professor of Surgery.*
 RICHARD WARREN, M.D., *Associate Clinical Professor of Surgery.*
 EDWARD B. BENEDICT, M.D., *Assistant Clinical Professor of Surgery.*
 JOHN P. BUNKER, M.D., *Assistant Clinical Professor of Anaesthesia.*
 HOWARD A. FRANK, M.D., *Assistant Professor of Surgery at the Beth Israel Hospital and Tutor in Surgery.*
 EDWARD HAMLIN, JR., M.D., *Assistant Clinical Professor of Surgery.*
 DAVID M. HUME, M.D., *Assistant Professor of Surgery.*
 ROBERT R. LINTON, M.D., *Assistant Clinical Professor of Surgery.*
 DONALD W. MACCOLLUM, M.D., *Assistant Clinical Professor of Surgery.*
 THOMAS B. QUIGLEY, M.D., *Assistant Clinical Professor of Surgery.*
 ROBERT M. SMITH, M.D., *Assistant Clinical Professor of Anaesthesia.*
 GRANTLEY W. TAYLOR, M.D., *Assistant Clinical Professor of Surgery.*
 AUGUSTUS THORNDIKE, M.D., *Lecturer on Surgery.*
 THORKILD W. ANDERSEN, M.D., *Clinical Associate in Anaesthesia.*
 MARSHALL K. BARTLETT, M.D., *Clinical Associate in Surgery.*
 THOMAS W. BOTSFORD, M.D., *Clinical Associate in Surgery.*
 WILLIAM R. BREWSTER, JR., M.D., *Associate in Anaesthesia at the Massachusetts General Hospital.*
 BERNARD D. BRIGGS, M.D., *Clinical Associate in Anaesthesia (on leave of absence July 1955 to June 1956).*
 BRADFORD CANNON, M.D., *Clinical Associate in Surgery.*
 CHILTON CRANE, M.D., *Clinical Associate in Surgery.*
 EDWARD D. FRANK, M.D., *Associate in Surgery.*
 SAMUEL GILMAN, M.D., *Clinical Associate in Anaesthesia.*
 LOUIS HERMANSON, M.D., *Clinical Associate in Surgery.*
 BERT B. HERSHENSON, M.D., *Clinical Associate in Anaesthesia.*
 JOHN M. HUNTER, M.B., CH.B., *Clinical Associate in Surgery.*
 SYLVESTER B. KELLEY, M.D., *Clinical Associate in Surgery.*

- LUTHER A. LONGINO, M.D., *Clinical Associate in Surgery.*
WILLIAM V. McDERMOTT, JR., M.D., *Clinical Associate in Surgery.*
HARLAN F. NEWTON, M.D., *Clinical Associate in Surgery.*
MELVIN P. OSBORNE, M.D., *Clinical Associate in Surgery.*
GEORGE C. PRATHER, M.D., *Clinical Associate in Surgery.*
ALEXANDER M. RUTENBURG, M.D., *Associate in Surgery.*
J. GORDON SCANNELL, M.D., *Clinical Associate in Surgery.*
DONALD P. TODD, M.D., *Clinical Associate in Anaesthesia* (on leave of absence April to October 1955).
WALTER R. WEGNER, M.D., *Clinical Associate in Surgery.*
CLAUDE E. WELCH, M.D., *Clinical Associate in Surgery.*
HENRY H. FAXON, M.D., *Lecturer on Surgery.*
OLOF G. LUNDSKOG, M.D., *Visiting Lecturer on Anaesthesia.*
PHILIPPE F. G. BENDA, M.D., *Research Associate in Surgery* (resigned August 15, 1955).
C. LLOYD CLAFF, A.B., *Research Associate in Surgery.*
GEORGE EISENMAN, M.D., *Research Associate in Anaesthesia* (resigned December 31, 1955).
NORMAN I. GOLD, PH.D., *Research Associate in Biological Chemistry in the Department of Surgery.*
JOACHIM STEFAN GRAVENSTEIN, M.D., *Research Associate in Anaesthesia.*
JULIUS A. GOLDBARG, M.D., *Research Associate in Surgery.*
DOROTHY H. HENNEMAN, M.D., *Research Associate in Anaesthesia.*
DONALD O. RUDIN, M.D., *Research Associate in Anaesthesia* (resigned December 31, 1955).
SELMA H. RUTENBURG, M.D., *Research Associate in Surgery.*
GENE M. SMITH, PH.D., *Research Associate in Anaesthesia.*
JOSEPH T. VELARDO, PH.D., *Research Associate in Surgery* (resigned August 31, 1955).
JOHN M. VON FELSINGER, PH.D., *Research Associate in Anaesthesia* (resigned August 31, 1955).
ANNE WIGHT, M.D., *Research Associate in Surgery* (resigned December 31, 1955).
ARTHUR L. ABRAMS, M.D., *Instructor in Anaesthesia.*
LOUIS BAKAY, M.D., *Instructor in Surgery.*
HENRY T. BALLANTINE, JR., M.D., *Instructor in Surgery.*
BENJAMIN A. BARNES, M.D., *Instructor in Surgery.*
EDGAR A. BERING, JR., M.D., *Instructor in Surgery.*
HARRISON BLACK, M.D., *Instructor in Surgery.*
JOHN R. BROOKS, M.D., *Instructor in Surgery.*
GORDON A. DONALDSON, M.D., *Instructor in Surgery.*
ALBERT J. FINCK, M.D., *Instructor in Anaesthesia.*
EDWARD W. FRIEDMAN, M.D., *Instructor in Surgery.*

- EDWARD A. GAENSLER, M.D., *Instructor in Surgery.*
F. THOMAS GEPHART, M.D., *Instructor in Surgery.*
PHILLIPS HALLOWELL, M.D., *Instructor in Anaesthesia.*
HERMES C. GRILLO, M.D., *Instructor in Surgery.*
RUTH C. HAYNES, M.D., *Instructor in Anaesthesia.*
CARL S. HOAR, JR., M.D., *Instructor in Surgery.*
LEE G. KENDALL, M.D., *Instructor in Surgery.*
WALTER S. KERR, JR., M.D., *Instructor in Surgery.*
HENRY A. KONTOFF, M.D., *Instructor in Surgery.*
SAMUEL LOWIS, M.D., *Instructor in Surgery.*
SAUL M. MARCUS, M.D., *Instructor in Surgery.*
JOHN B. MCKITTRICK, M.D., *Instructor in Surgery.*
S. RICHARD MUELLNER, M.D., *Instructor in Surgery.*
JOSEPH E. MURRAY, M.D., *Instructor in Surgery.*
GEORGE L. NARDI, M.D., *Instructor in Surgery.*
LOUIS H. NASON, M.D., *Instructor in Surgery.*
VICTOR A. POLITANO, M.D., *Instructor in Surgery.*
WILLIAM C. QUINBY, JR., M.D., *Instructor in Surgery.*
GEORGE S. RICHARDSON, M.D., *Instructor in Surgery.*
HORATIO ROGERS, M.D., *Instructor in Surgery.*
JOHN L. ROWBOTHAM, M.D., *Instructor in Surgery.*
KURT F. SCHMIDT, M.D., *Instructor in Anaesthesia* (resigned July 15, 1955).
ARNOLD L. SEGEL, M.D., *Instructor in Surgery.*
ROBERT S. SHAW, M.D., *Instructor in Surgery.*
FRANK G. SHEDDEN, JR., M.D., *Instructor in Surgery.*
NICHOLAS M. STAHL, M.D., *Instructor in Surgery.*
GEORGE W. B. STARKEY, M.D., *Instructor in Surgery.*
ARNOLD STARR, M.D., *Instructor in Surgery.*
NAAMAN STEINBERG, M.D., *Instructor in Surgery.*
HOWARD I. SUBY, M.D., *Instructor in Surgery.*
HERBERT S. TALBOT, M.D., *Instructor in Surgery.*
JAMES L. VANDERVEEN, M.D., *Instructor in Anaesthesia.*
WILLIAM R. WADDELL, M.D., *Instructor in Surgery.*
ELTON WATKINS, JR., M.D., *Instructor in Surgery.*
MALVIN F. WHITE, M.D., *Instructor in Surgery.*
GEORGE F. WILKINS, M.D., *Instructor in Surgery.*
LORANDE M. WOODRUFF, M.D., *Instructor in Surgery.*
GLENN E. BEHRINGER, M.D., *Assistant in Surgery.*
HAROLD BENGLOFF, M.D., *Assistant in Surgery.*
HATHORN P. BROWN, M.D., *Assistant in Surgery.*
JESSE BROWN, M.D., *Assistant in Anaesthesia.*
CHARLES B. BURBANK, M.D., *Assistant in Surgery.*
THOMAS K. BURNAP, M.D., *Assistant in Anaesthesia.*

- JOHN W. CHAMBERLAIN, M.D., *Assistant in Surgery.*
ROBERT E. DESAUTELS, M.D., *Assistant in Surgery.*
WILLIAM F. FLYNN, M.D., *Assistant in Surgery.*
PHILIP S. FOISIE, M.D., *Assistant in Surgery.*
EDWARD T. GORDON, M.D., *Assistant in Surgery.*
EUGENE GURALNICK, M.D., *Assistant in Surgery.*
HANNIBAL HAMLIN, M.D., *Assistant in Surgery.*
IRAD B. HARDY, JR., M.D., *Assistant in Surgery.*
HYMAN A. HERSHMAN, M.D., *Assistant in Surgery.*
ANDREW G. JESSIMAN, M.B., CH.B., *Assistant in Surgery and Henry E. Warren Research Fellow in Surgery.*
EDWARD KAPLAN, M.D., *Assistant in Surgery.*
CHARLES A. LAMB, M.D., *Assistant in Surgery.*
FEUNG B. LEE, M.D., *Assistant in Surgery.*
SAMUEL S. LEVINSON, M.D., *Assistant in Surgery.*
ELIA LIPSCHITZ, M.B., CH.B., *Assistant in Anaesthesia.*
CARROLL C. MILLER, M.D., *Assistant in Surgery.*
CHARLES G. MIXTER, JR., M.D., *Assistant in Surgery.*
GRANT V. RODKEY, M.D., *Assistant in Surgery.*
WILLIAM P. ROGERS, JR., M.D., *Assistant in Surgery.*
LEON ROSENFELD, M.D., *Assistant in Surgery.*
CHESTER B. ROSOFF, M.D., *Assistant in Surgery.*
SPIROS P. SARRIS, M.D., *Assistant in Surgery.*
BERNARD R. SEARS, M.D., *Assistant in Surgery.*
EDWIN I. SMITH, M.D., *Assistant in Surgery.*
RICHARD I. SMITH, M.D., *Assistant in Surgery.*
ALBERT M. STARR, M.D., *Assistant in Surgery.*
PHILIP H. WALKER, M.D., *Assistant in Surgery.*
KENNETH J. WELCH, M.D., *Assistant in Surgery.*
FRANK C. WHELOCK, JR., M.D., *Assistant in Surgery.*
EARLE W. WILKINS, JR., M.D., *Assistant in Surgery.*
JOHN A. WILLIAMS, M.D., *Assistant in Surgery.*
HOWARD J. BAGNALL, M.B., CH.B., *Research Fellow in Surgery.*
DAVID R. BOWSHER, M.B., CH.B., *Research Fellow in Surgery (resigned November 30, 1955).*
ARCHIBALD E. CARTER, M.B., CH.B., *Research Fellow in Surgery (resigned August 15, 1955).*
RAFAEL (MORALES) CASAS, M.D., *Research Fellow in Surgery.*
MANUEL J. CORREIA-BRANCO, M.D., *Research Fellow in Surgery.*
JOHN M. DAVIS, M.B., CH.B., *Research Fellow in Surgery (resigned October 31, 1955).*
WILLIAM L. DONNELLAN, M.D., C.M., *Research Fellow in Surgery.*

- ARTHUR S. EARLE, M.D., *Research Fellow in Surgery* (resigned August 31, 1955).
- LEON C. EDWARDS, M.D., *Research Fellow in Surgery*.
- PETER (MIGUEL) EJARQUE, M.D., *Research Fellow in Surgery*.
- JOSEPH W. GILBERT, JR., M.D., *Research Fellow in Surgery*.
- WILLIAM G. HAMMOND, M.D., *Research Fellow in Surgery*.
- MILTON E. HENDERSON, M.D., *Research Fellow in Surgery*.
- GRAHAME F. T. W. HENSON, M.B., CH.B., *Research Fellow in Surgery*.
- TOSHIO INAHARA, M.D., *Research Fellow in Surgery*.
- JACQUES H. LEBRUN, M.D., *Research Fellow in Surgery* (resigned September 15, 1955).
- JOHN D. MCQUEEN, M.D., *Research Fellow in Surgery*.
- JOHN MEALEY, JR., M.D., *Research Fellow in Surgery*.
- HUGO M. PALAZZI, M.D., *Research Fellow in Surgery*.
- H. VICTOR PARKER, M.D., *Research Fellow in Surgery*.
- ANGELO G. ROCCO, M.D., *Research Fellow in Surgery*.
- ROBERT M. ROSENBAUM, PH.D., *Research Fellow in Surgery*.
- FRANCISCO R. SANCHEZ, M.D., *Research Fellow in Surgery* (resigned January 31, 1956).
- JOHN A. SCHOLL, M.D., *Research Fellow in Surgery*.
- DAGOBERTO (MONTALVO) SOSA, M.D., *Research Fellow in Surgery* (resigned December 31, 1955).
- LEWIS P. THOMAS, M.B., CH.B., *Research Fellow in Surgery*.
- RICHARD THORS, M.D., *Research Fellow in Surgery*.
- KATIL N. UDUPA, M.D., *Research Fellow in Surgery* (resigned September 30, 1955).
- RICHARD C. AUSTIN, M.D., *Teaching Fellow in Surgery*.
- WILLIAM F. BERNHARD, M.D., *Teaching Fellow in Surgery* (resigned September 30, 1955).
- LELAND C. BRANNON, M.D., *Teaching Fellow in Surgery* (resigned December 31, 1955).
- ROBERT C. COE, M.D., *Teaching Fellow in Surgery* (resigned December 31, 1955).
- FRED D. FOWLER, M.D., *Teaching Fellow in Surgery*.
- JOHN M. KINNEY, M.D., *Teaching Fellow in Surgery*.
- HENRY F. LAQUETTE, M.D., *Teaching Fellow in Surgery*.
- JAMES D. McMURREY, M.D., *Arthur Tracy Cabot Teaching Fellow in Surgery*.
- WILLIAM B. PATTERSON, M.D., *Teaching Fellow in Surgery*.
- VINCENT S. SY, M.D., *Teaching Fellow in Surgery*.
- EARLE L. WRENN, JR., M.D., *Teaching Fellow in Surgery*.
- JAHANGEER YASHAR, M.D., *Teaching Fellow in Surgery*.

GEOFFREY M. COLEY, M.D., *Moseley Travelling Fellow.*

EDWARD L. FERGUSON, M.D., *Moseley Travelling Fellow.*

REQUIRED COURSES

Instruction will be given by amphitheatre clinics, lectures, and conferences, together with section teaching in the wards and out-patient departments of the hospitals and in the surgical research laboratories.

SURGERY A. *Second Year.* — The course is designed to correlate preclinical sciences with the basic principles underlying the surgical management of injury and disease. The Department of Surgery joins with the Department of Medicine in a series of exercises in physical diagnosis and laboratory medicine to offer unified instruction in case taking. Practical exercises are offered that introduce the student to basic surgical techniques.

SURGERY B. *Third Year.* — The course is conducted in the out-patient departments and wards of the hospitals affiliated with the School. The students are divided into three groups, each group in rotation being apportioned to one of the hospitals affiliated with the School for instruction in surgery over a sixty-four-day period. During this period they will study general surgery and urology at the hospital to which they are assigned, and will also receive instruction in gynecology at the Free Hospital for Women and the Massachusetts General Hospital and in laryngology at the Massachusetts Eye and Ear Infirmary. Instruction in the surgery of children is given during the pediatric section work at the Children's Hospital. Opportunity for experience in surgical operative techniques is offered in Voluntary Course 32 that may be taken in conjunction with section work.

SURGERY C. *Fourth Year.* — A series of not less than two months as clinical clerk in the surgical wards of the M.G.H., B.C.H., P.B.B.H., or B.I.H. is required of each student.

During the fourth year, students will be assigned to one of the departments of anaesthesia associated with the medical school. The time spent shall be sufficient to provide an introduction to the problems and possibilities of anaesthesia as a specialty of medicine. The student will acquire some knowledge of oxygen therapy, of pre- and post-operative anaesthetic care and will administer, under supervision, the commonly used anaesthetics to patients. Factors of importance in the support and resuscitation of unconscious persons will be emphasized. This experience is designed to lead to an understanding of problems associated with the safe management of individuals handicapped by pre-existing disease, by anaesthesia, and by surgery.

SECOND YEAR

HOURS

Lectures and demonstrations on the fundamental aspects of clinical surgery and anaesthesia. Drs. CHURCHILL, BEECHER, MOORE, and Associates. M.G.H. and P.B.B.H. *Second half-year.*

Section work, case taking, lectures and demonstrations on the physical diagnosis of surgical disease in conjunction with the Department of Medicine. M.G.H., P.B.B.H., and B.I.H. *Each student has twenty-four exercises.* 84

THIRD YEAR

Amphitheatre lectures. Drs. CHURCHILL, MOORE, and Associates. *Once a week throughout the year.* 38

Exercises in sections in the wards and out-patient departments at the M.G.H., P.B.B.H., and B.I.H. *Each section has thirty-two exercises of two and a half hours each and twenty-one exercises of three hours each.* 116

Genito-Urinary Surgery. Section work. M.G.H., P.B.B.H., and B.I.H. *Each student has ten or eleven two-and-a-half-hour exercises.* 27

Children's Surgery. Section work. C.H. *Each student has four one-and-a-half-hour exercises, eleven one-hour exercises, and five two-hour exercises.* 27

FOURTH YEAR

Clinical Clerkship: M.G.H. (Surgery C1, Dr. CHURCHILL and Associates); B.C.H. (Surgery C2, Dr. DUNPHY and Associates); P.B.B.H. (Surgery C3, Dr. MOORE and Associates); B.I.H. (Surgery C4, Dr. FINE and Associates). 288

Veterans Hospital. (W.R.) Dr. WARREN and Associates. (Single clerkship in combination with one of the other units.)

FOURTH YEAR ELECTIVE COURSES

5. Children's Surgery. Dr. GROSS and Associates. C.M.C. Whole course, all day. Limited to two students each month.
6. General Surgery. Dr. WARREN and Associates. W.R.V.A.H. Whole course, all day. Attendance limited.
8. Genito-Urinary Surgery. Dr. HARRISON. P.B.B.H. Whole course, all day. Limited to two students each month.
9. Anaesthesia. Dr. BEECHER. M.G.H. or Dr. VANDAM, P.B.B.H. Whole course, all day. Attendance limited. Application to be made in person.
10. Neurosurgery. Dr. J. C. WHITE and Associates. M.G.H. or Drs. INGRAHAM and MATSON, C.M.C. and P.B.B.H. Whole course, all day, limited to two students each month. Clinical clerkship on the neurosurgical wards.
20. Surgical Investigation. Dr. MOORE and Associates. P.B.B.H. and H.M.S. Whole course, all day.
21. Surgical Investigation. Dr. CHURCHILL and Associates. M.G.H. Whole course, all day.

22. Surgical Investigation. Dr. DUNPHY and Associates, B.C.H. Whole course, all day.
23. Surgical Investigation. Dr. FINE and Associates, B.I.H. Whole course, all day.

VOLUNTARY COURSES

31. Clinical Introduction to Anatomy. M.G.H., B.C.H., P.B.B.H. C.M.C. and B.I.H. Saturdays, 9 a.m. to 12 m., coincident with Anatomy. Open to first year students (same course as Anatomy 30). These clinics serve to introduce the first year student to the patient. Whenever possible, the clinics are arranged with reference to the anatomical dissection. The subject matter is not limited to gross anatomy, however, and the clinics cover a wide range of topics in medicine, surgery, obstetrics and pediatrics.
32. Surgical Technique. Members of the third year class may register for the following courses in surgical technique at the hospital to which they have been assigned for their section work.
 1. Operative Technique. M.G.H. Dr. J. B. MCKITTRICK and Associates. Thursday afternoons throughout the year. Surgical Laboratories. May only be taken coincidentally with section work.
 2. Operative Technique. P.B.B.H. Dr. WALTER and Associates. Thursday afternoons October-January. Laboratory for Surgical Research, H.M.S.
 3. Operative Technique. B.I.H. Dr. FINE and Associates. Thursday afternoons October-January. Surgical Research Laboratory.

Gynecology

- GEORGE V. SMITH, M.D., *W. H. Baker Professor of Gynecology and Head of the Department.*
- JOE V. MEIGS, M.D., *Clinical Professor of Gynecology.*
- JOHN ROCK, M.D., *Clinical Professor of Gynecology.*
- HOWARD ULFELDER, M.D., *Clinical Professor of Gynecology.*
- SOMERS H. STURGIS, M.D., *Associate Clinical Professor of Gynecology.*
- CHRISTOPHER J. DUNCAN, M.D., *Clinical Associate in Gynecology.*
- FRANCIS McC. INGERSOLL, M.D., *Clinical Associate in Gynecology.*
- PAUL A. YOUNGE, M.D., *Clinical Associate in Gynecology.*
- OLIVE W. SMITH, Ph.D., S.D. (hon.), *Research Associate in Gynecology.*
- A. GORDON GAULD, M.D., *Instructor in Gynecology and in Obstetrics.*
- JOHN B. GRAHAM, M.D., *Instructor in Gynecology.*
- THOMAS H. GREEN, JR., M.D., *Instructor in Gynecology.*
- WARD I. GREGG, M.D., *Instructor in Gynecology.*
- FRED A. SIMMONS, M.D., *Instructor in Gynecology.*
- MELVIN L. TAYMOR, M.D., *Instructor in Gynecology.*

- ROBERT W. BROWN, M.D., *Assistant in Gynecology.*
 LUKE GILLESPIE, M.D., *Assistant in Gynecology and in Obstetrics.*
 RICHARD H. GROGAN, M.D., *Assistant in Gynecology and in Obstetrics.*
 HERBERT W. HORNE, JR., M.D., *Assistant in Gynecology.*
 ALBERT Y. KEVORKIAN, M.D., *Assistant in Gynecology.*
 ROBERT W. KISTNER, M.D., *Assistant in Gynecology.*
 WILLIAM J. MULLIGAN, M.D., *Assistant in Gynecology and in Obstetrics.*
 JOSEPH H. PHILLIPS, M.D., *Assistant in Gynecology.*
 BARTLETT H. STONE, M.D., *Assistant in Gynecology and in Obstetrics.*
 ARTHUR W. TUCKER, JR., M.D., *Assistant in Gynecology and in Obstetrics.*
 HART ACHENBACH, M.D., *Research Fellow in Gynecology* (resigned April 30, 1956).
 CELSO R. GARCÍA, M.D., *Research Fellow in Gynecology.*
 JOHN V. KELLY, M.D., *Research Fellow in Gynecology* (resigned December 31, 1955).
 WINIFRED LIU, M.D., *Research Fellow in Gynecology.*
 MAURICE L. PROVOST, M.D., *Research Fellow in Gynecology.*
 EIICHI YAMAZAKI, M.D., PH.D., *Research Fellow in Gynecology.*
 WILLIAM F. FERGUSON, M.D., *Teaching Fellow in Gynecology* (resigned September 30, 1955).
 JOHN D. MCINTYRE, M.D., *Teaching Fellow in Gynecology.*

Affiliated:

- SAMUEL B. KIRKWOOD, M.D., S.D. (hon.), *Clinical Professor of Maternal Health, S.P.H.*
 SIDNEY LESKOWITZ, PH.D., *Research Associate in Bacteriology and Immunology in the Department of Gynecology.*

REQUIRED COURSE

GYNECOLOGY A. *Third Year.*—Instruction is given by lectures and clinical teaching in the wards and outpatient departments of the Free Hospital for Women and the Massachusetts General Hospital. The student is instructed in the examination, diagnosis, and treatment of gynecological disease.

	THIRD YEAR	HOURS
Lectures. Drs. SMITH, ULFELDER and ROCK.	H.M.S.	6
Clinical exercises. Drs. SMITH, ULFELDER and Associates. F.H.W. and M.G.H. <i>In sections, throughout the year. Each student attends ten or twelve exercises.</i>		27

FOURTH YEAR ELECTIVE COURSE

1. Clinical Course. Dr. SMITH and Associates. F.H.W. Gynecological pathology included. Whole course, all day, offered throughout the year. Limited to four students each month.

Orthopedic Surgery

- JOSEPH S. BARR, M.D., *John Ball and Buckminster Brown Clinical Professor of Orthopedic Surgery and Head of the Department at the Massachusetts General Hospital.*
- WILLIAM T. GREEN, M.D., *Clinical Professor of Orthopedic Surgery and Head of the Department at the Children's Hospital.*
- EDWIN F. CAVE, M.D., *Assistant Clinical Professor of Orthopedic Surgery.*
- DAVID S. GRICE, M.D., *Assistant Clinical Professor of Orthopedic Surgery.*
- ALBERT H. BREWSTER, M.D., *Clinical Associate in Orthopedic Surgery.*
- MEIER KARP, M.D., *Clinical Associate in Orthopedic Surgery.*
- JONATHAN COHEN, M.D., *Research Associate in Orthopedic Surgery.*
- OTTO E. AUFRANC, M.D., *Instructor in Orthopedic Surgery.*
- THOMAS F. BRODERICK, JR., M.D., *Instructor in Orthopedic Surgery.*
- THORNTON BROWN, M.D., *Instructor in Orthopedic Surgery.*
- THOMAS L. DE LORME, M.D., *Instructor in Orthopedic Surgery.*
- PAUL W. HUGENBERGER, M.D., *Instructor in Orthopedic Surgery.*
- WILLIAM N. JONES, M.D., *Instructor in Orthopedic Surgery.*
- ROBERT J. JOPLIN, M.D., *Instructor in Orthopedic Surgery.*
- JOHN G. KUHN, M.D., S.D. (hon.), *Instructor in Orthopedic Surgery.*
- JOHN D. LEIDHOLT, M.D., *Instructor in Orthopedic Surgery.*
- ROBERT H. MORRIS, M.D., *Instructor in Orthopedic Surgery.*
- PAUL L. NORTON, M.D., *Instructor in Orthopedic Surgery.*
- EUGENE E. RECORD, M.D., *Instructor in Orthopedic Surgery.*
- JOHN A. REIDY, M.D., *Instructor in Orthopedic Surgery.*
- CARTER R. ROWE, M.D., *Instructor in Orthopedic Surgery.*
- MORTEN SMITH-PETERSEN, M.D., *Instructor in Orthopedic Surgery.*
- HENRY H. BANKS, M.D., *Assistant in Orthopedic Surgery.*
- WILLIAM A. ELLISTON, M.B., CH.B., *Assistant in Orthopedic Surgery.*
- JAMES D. LOWELL, M.D., *Assistant in Orthopedic Surgery.*
- WILLIAM R. MACAUSLAND, JR., M.D., *Assistant in Orthopedic Surgery.*
- ARTHUR W. TROTT, M.D., *Assistant in Orthopedic Surgery.*
- KADHUM H. SHUBBER, M.D., *Research Fellow in Orthopedic Surgery (resigned February 29, 1956).*
- MELVIN J. GLIMCHER, M.D., *Teaching Fellow in Orthopedic Surgery.*
- JAMES M. HARRIS, M.D., *Teaching Fellow in Orthopedic Surgery (resigned September 30, 1955).*
- JOHN W. HAYDEN, M.D., *Teaching Fellow in Orthopedic Surgery.*
- VERNER S. JOHNSON, M.D., *Teaching Fellow in Orthopedic Surgery (resigned December 31, 1955).*
- ALEXANDER L. ZAOUSSIS, M.D., *Teaching Fellow in Orthopedic Surgery (resigned March 31, 1956).*

REQUIRED COURSE

ORTHOPEDIC SURGERY A. *Third Year.*—Instruction is given in orthopedic surgery by lectures at the Children's Medical Center and the Massachusetts General Hospital in the first half of the third year, and throughout the third year by clinical exercises at the Children's Medical Center, the Massachusetts General Hospital, the Peter Bent Brigham Hospital, and the Beth Israel Hospital.

THIRD YEAR	HOURS
Lectures. Drs. BARR, GREEN and Associates. C.M.C. <i>First half-year</i>	8
Clinical exercises. Drs. BARR, GREEN and Associates. M.G.H., C.M.C., P.B.B.H., and B.I.H. <i>In sections throughout the year.</i>	65

Thirty of these hours are clinical exercises in orthopedic surgery and industrial surgery of adults which are correlated with clinical exercises in general surgery at the Massachusetts General Hospital, the Peter Bent Brigham Hospital and the Beth Israel Hospital during the surgery assignment to these hospitals. Thirty-five hours are clinical exercises in general and pediatric orthopedic surgery at the Children's Medical Center.

FOURTH YEAR

Clinical exercises and assignments are provided in correlation with the prescribed general surgical course at the P.B.B.H.

FOURTH YEAR ELECTIVE COURSES

1. Clinical Course. Dr. BARR and Associates. M.G.H. Whole course, all day. Limited to two students each month.
2. Clinical Course. Dr. GREEN and Associates. C.M.C. Whole course, all day. Limited to two students each month.
3. Clinical Course. Drs. GREEN, BARR and Associates. C.M.C. and M.G.H. Whole course, all day. Limited to two students each month.

Otology and Laryngology

LEROY A. SCHALL, M.D., A.M. (hon.), S.D. (hon.), *Walter Augustus Lecompte Professor of Otology and Professor of Laryngology, and Head of the Department.*

ROBERT L. GOODALE, M.D., *Assistant Clinical Professor of Laryngology.*

MOSES H. LURIE, D.M.D., M.D., *Assistant Clinical Professor of Otology.*

FRANCIS L. WEILLE, M.D., *Assistant Clinical Professor of Otology.*

PHILIP E. MELTZER, D.M.D., M.D., *Lecturer on Otology.*

GEORGE KELEMEN, M.D., *Research Associate in Otology.*

WALTER J. E. CARROLL, M.D., *Instructor in Laryngology.*

- MAURICE G. EVANS, M.D., *Instructor in Laryngology.*
 CARLYLE G. FLAKE, M.D., *Instructor in Laryngology.*
 EDGAR M. HOLMES, M.D., *Instructor in Otology.*
 BURTON E. LOVESEY, M.D., *Instructor in Laryngology.*
 WERNER MUELLER, M.D., *Instructor in Otology and Laryngology.*
 LYMAN G. RICHARDS, M.D., *Instructor in Laryngology.*
 JOHN R. RICHARDSON, M.D., *Instructor in Laryngology.*
 HUGO D. ANGELINI, M.D., *Assistant in Otology.*
 CALVIN M. CERRATO, M.D., *Assistant in Otolaryngology.*
 JOSHUA C. DROOKER, M.D., *Assistant in Laryngology.*
 ALAN S. FELDMAN, S.M., *Assistant in Otology.*
 CHARLES F. FERGUSON, M.D., *Assistant in Otology.*
 VINCENT J. KELLEY, M.D., *Assistant in Laryngology.*
 CHARLES KENT, M.D., *Assistant in Laryngology.*
 JOSEPH LENTINE, M.D., *Assistant in Laryngology.*
 DONALD K. LEWIS, M.D., *Assistant in Laryngology.*
 WILLIAM W. MONTGOMERY, M.D., *Assistant in Otology.*
 GEORGE F. REED, M.D., *Assistant in Laryngology.*
 ARAM ROOPENIAN, M.D., *Assistant in Otology.*
 HERMAN J. STERNSTEIN, M.D., *Assistant in Otolaryngology.*
 DON J. WEEKES, M.D., *Assistant in Otology and Laryngology.*

Affiliated:

- ALEXANDER S. MACMILLAN, M.D., *Clinical Associate in Radiology.*
 ROBERT S. GOHD, PH.D., *Research Fellow in Bacteriology and Immunology
 in the Department of Otology and Laryngology.*

REQUIRED COURSES

- OTOLOGY A. *Third Year.*—Instruction is given by lectures at the Harvard Medical School and clinical instruction in the third year in sections, each student receiving instruction every morning for two weeks at the M.E.E.I.
 LARYNGOLOGY A. *Third Year.*—Instruction consists of lectures and section work in the third year, each section being assigned to the throat clinic of the M.E.E.I.

	THIRD YEAR	HOURS
Clinical exercises in Otology. Dr. SCHALL and Associates. M.E.E.I. <i>Every student has eight exercises.</i>		27
Lectures in Otology. Dr. LURIE. H.M.S. <i>Five Tuesdays in first half-year.</i>		5
Clinical exercises in Laryngology. Dr. SCHALL and Associates. M.E.E.I. <i>Ten or eleven exercises for each student.</i>		27
Lectures in Laryngology. Dr. SCHALL. H.M.S. <i>Six Tuesdays in second half-year.</i>		6

FOURTH YEAR ELECTIVE COURSES

1. Clinical Otology. Dr. SCHALL and Associates. M.E.E.I. Half-course, mornings, offered throughout the year.
2. Clinical Laryngology. Dr. SCHALL and Associates. M.E.E.I. Half-course, mornings, offered throughout the year.

Dental Medicine

The following courses are offered to students in The Medical School—

VOLUNTARY COURSE

30. *Diagnosis of Oral Diseases.* Dr. WEISBERGER and Associates. *November and December*, Thursdays, 3.30–5.00 p.m. *Dental Infirmary and M.G.H.* Open to *third* and *fourth* year students.
Course in lectures, seminars, clinic practice. (Will not be given for fewer than 10 students)

FOURTH YEAR ELECTIVE COURSES

1. *Dental Medicine.* Dr. WEISBERGER, M.G.H., C.M.C., S.D.M. (Half or full course.) Experience will be offered in the recognition of local disease of the oral cavity as well as those abnormalities of the oral cavity which are associated with systemic disease. Limited to 10 students..
2. *Advanced Dental Medicine.* Staff to be selected for the particular need. Half or full course designed for graduates of the School of Dental Medicine, now fourth year students at the Medical School.
20. *Research.* Staff to be selected for the particular need. An opportunity for special study for a period of one or more months.

**TABULAR VIEW
OF
SCHEDULES AND REGISTRATION**

SEPTEMBER 26, 1955 — JUNE 14, 1956

**FIRST YEAR
FIRST HALF YEAR ***

SEPTEMBER 26, 1955 — JANUARY 28, 1956 (All dates inclusive)

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-1	Anatomy	Histology	Anatomy	Histology	Anatomy or Histology	Voluntary Clinics
2-5	Anatomy	Histology	Anatomy	Histology	(alternate weekly)	

* All exercises in Building B.

SECOND HALF YEAR †

JANUARY 30 — MAY 26, 1956 (All dates inclusive)

9-1	Biological Chemistry	Physiology	Biological Chemistry	Physiology	Biological Chemistry Lecture and Conference	Physiology Lecture and Conference
2-5	Biological Chemistry	Physiology	Biological Chemistry	Physiology	11:30-12:30 Medical Psychology	Voluntary Courses

† All exercises in Building C, except Medical Psychology.

Examination Period: May 28-June 2

Vacations: Dec. 22-Jan. 2
April 15-22

Holidays: Oct. 12 Feb. 22
Nov. 11 Apr. 19
Nov. 24 May 30

DATE	HOUR	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
A.M.							
Sept. 26—Jan. 28 (16 weeks)	9-10		Pharmacology Sept. 27—Nov. 22 Jan. 3—28 Pharmacology (E) Bacteriology (D) (½ Class Each Course) Parasitology (D) Nov. 26—Dec. 20	Pathology (Bldg. D)	Pharmacology Sept. 27—Nov. 22 Jan. 3—28 Pharmacology (E) Bacteriology (D) (½ Class Each Course) Parasitology (D) Nov. 26—Dec. 20	Pathology (Bldg. D)	Pharmacology Sept. 27—Nov. 22 Jan. 3—28 Pharmacology (E) Bacteriology (D) (½ Class Each Course) Parasitology (D) Nov. 26—Dec. 20
	10-12.30						
	12.30-1						
Jan. 30—May 26 (16 weeks)	8.30-9.30	Pathology Jan. 30—Apr. 6 10 weeks	Medicine *	Pathology Jan. 30—Apr. 6 10 weeks	Surgery *	Pathology Jan. 30—Apr. 6 10 weeks	Medicine *
	9.30-10	Neuropathology Apr. 9—May 25 6 weeks (Bldg. D)		Neuropathology Apr. 9—May 25 6 weeks (Bldg. D)		Neuropathology Apr. 9—May 25 6 weeks (Bldg. D)	
	10-11.30		Div. A: Med. (Phys. Diag.) Div. B: Surgery		Div. B: Med. (Phys. Diag.) Div. A: Surgery		Div. A: Med. (Phys. Diag.) Div. B: Surgery
	11.30-12		<i>Divisions Alternate Weekly</i>		<i>Divisions Alternate Weekly</i>		<i>Divisions Alternate Weekly</i>
12-1	Medicine *		Neurology Feb. 1—Apr. 23* Psych. May 2—May 23*			Medicine *	
P.M.							
Sept. 26—Jan. 28 (12 weeks)	2-5	Bacteriology (Bldg. D)		Bacteriology (Bldg. D)		Bacteriology (Bldg. D)	
	2-3	Pharmacology (Amph. E)		Pharmacology (Amph. E)		Pharmacology (Amph. E)	
	3-5	Medicine: Laboratory Diagnosis (Bldg. D)		Medicine: Laboratory Diagnosis (Bldg. D)		Medicine: Laboratory Diagnosis (Bldg. D)	
Jan. 30—Apr. 28 (4 weeks)	2-3	Obstetrics (B.L.I.)		Obstetrics (B.L.I.)		Obstetrics (B.L.I.)	
	3-5	Medicine: Laboratory Diagnosis (Bldg. D)		Medicine: Laboratory Diagnosis (Bldg. D)		Medicine: Laboratory Diagnosis (Bldg. D)	

* See mimeographed schedule for place of meeting.

Vacations: Dec. 22—Jan. 2
April 15—22
Examination Period: May 28—June 2

Holidays: Oct. 12
Nov. 11
Nov. 24
Feb. 22
Apr. 19
May 30

THIRD YEAR
 SEPTEMBER 26, 1955 — MAY 26, 1956 (All dates inclusive)

Hour	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8.30-9.30	Lecture † of Class: I. Medicine II. Med. Spec.* † of Class: I. Surgery II. Surg. Spec.† † of Class: A { Pediatrics Orthopaedic Surgery B { Obstetrics § Otology Ophthalmology	Lecture † of Class: I. Med. Spec.* II. Medicine † of Class: I. Surg. Spec.† II. Surgery † of Class: A { Pediatrics Orthopaedic Surgery B { Obstetrics § Otology Ophthalmology	Lecture † of Class: I. Medicine II. Med. Spec.* † of Class: I. Surgery II. Surg. Spec.† † of Class: A { Pediatrics Orthopaedic Surgery B { Obstetrics § Otology Ophthalmology	Lecture † of Class: I. Med. Spec.* II. Medicine † of Class: I. Surg. Spec.† II. Surgery † of Class: A { Pediatrics Orthopaedic Surgery B { Obstetrics § Otology Ophthalmology	Lecture † of Class: I. Medicine II. Med. Spec.* † of Class: I. Surgery II. Surg. Spec.† † of Class: A { Pediatrics Orthopaedic Surgery B { Obstetrics § Otology Ophthalmology	Lecture † of Class: I. Med. Spec.* II. Medicine † of Class: I. Surgery II. Surg. Spec.† † of Class: A { Pediatrics Orthopaedic Surgery B { Obstetrics § Otology Ophthalmology
10-1	† of Class: Medicine † of Class: Surgery † of Class: { Pediatrics Orthopaedic Surgery	FREE	† of Class: Medicine † of Class: Surgery † of Class: { Pediatrics Orthopaedic Surgery	FREE	Preventive Medicine 2-5 (Oct. 14—Jan. 28) Legal Medicine 4.15-5.15	FREE
2-5	† of Class: Medicine † of Class: Surgery † of Class: { Pediatrics Orthopaedic Surgery	FREE	† of Class: Medicine † of Class: Surgery † of Class: { Pediatrics Orthopaedic Surgery	FREE	Preventive Medicine 2-5 (Oct. 14—Jan. 28) Legal Medicine 4.15-5.15	FREE

• Med. Spec. = Neurology, Psychiatry, Dermatology.
 † For this course the students are assigned to the B.L.I., B.C.H., or the P.L.I. and are on duty for a period of ten or eleven days.
 The Class is divided into thirds and the Medical and Surgical thirds are made up of two groups:
 Group I. — Having Medicine or Surgery on Mondays, Wednesdays and Fridays and the Medical or Surgical specialties on Tuesdays, Thursdays and Saturdays.
 Group II. — Having Medicine or Surgery on Tuesdays, Thursdays and Saturdays and the Medical or Surgical specialties on Mondays, Wednesdays and Fridays.
 The Thirds interchange every 64 days.

Holidays: Oct. 12; Nov. 11; Nov. 24; Feb. 22; Apr. 19; May 30.
 Vacations: Dec. 23, 1955—Jan. 2, 1956; April 1-8, 1956
 Examination Period: May 28—June 2.

FOURTH YEAR

SEPTEMBER 26, 1955 — JUNE 14, 1956

(Each block represents one month. Order of subjects variable.)

		1	2	3	4
MORNING					
AFTERNOON		Medicine C1, C2, C3, or C4*	Medicine C1, C2, C3, or C4*	Surgery C1, C2, C3, or C4*	Surgery C1, C2, C3, or C4*
		5	6	7	8
MORNING					
AFTERNOON		Obstetrics C1	Pediatrics C1 or C2	Psychiatry C1, C2, or C3	Elective

In addition to the eight months' required work, each student may elect courses for three additional months by anticipating work during the summer months.

* October to May.

ON JUNE 16, 1955, ONE HUNDRED AND THIRTY-NINE DEGREES WERE
CONFERRED AS FOLLOWS:

M.D.

- DAVID ABRAHAMS, A.B. (*Dartmouth College*) 1952
 WILLIAM JOSEPH ADELSON, A.B. 1951
 RAYMOND ALEXANIAN, A.B. (*Dartmouth College*) 1952
 JOHN DOUGLAS ALLEN
 EDWARD CONGDON ATWATER, A.B. (*University of Rochester*) 1950
 WILLIAM GERALD AUSTEN, S.B. (*Massachusetts Institute of Technology*) 1951
 WENDELL WEBSTER BATCHELDER, S.B. (*Massachusetts Institute of Technology*)
 1951
 LESTER EUGENE BAUER, JR., A.B. (*Dartmouth College*) 1952
 DAVID JEROME BECKER, A.B. (*Cornell University*) 1951
 DAVID WILLET BENNETT
 WILLIAM MERTON BOLMAN, A.B. 1951
 JOHN THOMAS BOYER, S.B. (*Denison University*) 1951
 ROBERT AUTRY BROOKS, S.B. (*University of Arkansas*) 1951
 CARL NORDYKE BROWNSBERGER, A.B. (*Yale University*) 1951
 SHIRLEY SUE BUCKINGHAM, A.B. (*Univeristy of Chicago*) 1945
 MAURICE BENJAMIN BURG, A.B. 1952 (1953)
 CHARLES ADAMS CAHILL, 3D, A.B. 1951
 ALAN FREDERIC CARPENTER, A.B. (*Reed College*) 1953
 ARAM VAN CHOBANIAN, A.B. (*Brown University*) 1951
 STEPHEN PRESTON CLEMENT, JR., A.B. 1951
 THOMAS MALLON DANIEL, S.B. (*Yale University*) 1951
 EDGAR FRANCIS DAVIS, A.B. (*Princeton University*) 1951
 JOHN BARRY DECKER, A.B. 1951
 ARTHUR JOSEPH DEIKMAN, A.B. 1951
 HAROLD JAMES DETTMAN, A.B. (*Albion College*) 1951
 JOSEPH KILROY DOBOS, A.B. (*Dartmouth College*) 1952
 LEON CRAWFORD EDWARDS, A.B. 1951 (1950)
 FRED EHRLICH, A.B. (*University of Chicago*) 1949
 MARTIN PREVILLE FELDMAN, A.B. (*University of Rochester*) 1953
 RONALD ROBERT FIEVE, S.B. (*University of Wisconsin*) 1952
 JAMES LEMUEL FIFE, A.B. (*Bowdoin College*) 1951
 DAVID SEYMOUR FISCHER, A.B. (*Williams College*) 1951
 STUART QUENTIN FLERLAGE, JR.
 WILLIAM SIGOURNEY FLETCHER, A.B. (*Dartmouth College*) 1952
 VASSILIKE CECILE FORBES, A.B. (*Barnard College*) 1950
 WILLIAM STARLING GARRETT, JR., A.B. (*Lehigh University*) 1951

- HOWARD JAMES GEIST, A.B. (*Dartmouth College*) 1952
 NORTON ISAAC GETTES, A.B. 1951
 MACELLIS KOPEL GLASS, A.B. (*New York University*) 1951
 LESTER HOWARD GRANT, A.B. (*University of California*) 1935
 HAROLD LESTER GREENBERG, S.B. (*University of Massachusetts*) 1948, D.M.D.
 (*Harvard University*) 1953
 JAMES ALEXANDER GREENE, JR., A.B. (*State University of Iowa*) 1953
 ALF ERIK GUNDERSEN, A.B. (*Dartmouth College*) 1952
 VICTOR GUREWICH, A.B. (*Oberlin College*) 1951
 ROBERT PAUL HARDMAN, A.B. (*Ohio Wesleyan University*) 1951
 GEORGE LACY HARPER
 ALVIN HERBERT HARRIS, A.B. 1950 (1952), D.M.D. 1953
 BARBARA WRIGHT HAYES, A.B. (*Barnard College*) 1951
 PETER BEMIS H'DOUBLER, S.B. (*University of Arkansas*) 1951
 STEPHAN EMANUEL HEDBERG
 EARLE RODMAN HEINE, A.B. (*Ohio Wesleyan University*) 1951
 RALPH ALLEN HEISING, PH.B. (*University of North Dakota*) 1951, S.B. (*ibid.*)
 1953
 GERALD MARTIN HOLLINGSWORTH, S.B. (*University of Mississippi*) 1953
 KARL EDWARD HUMISTON, A.B. (*Stanford University*) 1951
 HARRIS HYMAN, 3D, A.B. (*Yale University*) 1951
 PHILLIP LOUIS ISENBERG, A.B. 1951
 RAYMOND ELIAS JANKOWICH, A.B. (*Dartmouth College*) 1952
 RICHARD JULIAN KAHN, A.B. (*Dartmouth College*) 1951
 BERNARD LOUIS KAYE, A.B. (*Yale University*) 1949, D.M.D. (*Harvard University*) 1953
 CHARLES SAMUEL KEEVIL, JR., A.B. (*Amherst College*) 1948, A.M. (*ibid.*) 1950
 REUBEN KENNETH KENIGSBERG, A.B. (*Wesleyan University*) 1951
 BENJAMIN NEWTON KIGHTLINGER, A.B. (*Amherst College*) 1951
 JOHN LASZLO, A.B. (*Columbia University*) 1952
 SIDLEE WILLIAM LEEPER, A.B. (*University of Missouri*) 1950, A.M. (*ibid.*) 1953,
 S.B. IN MEDICINE (*ibid.*) 1953
 JOHN EDWARD LEIGH, A.B. (*University of North Dakota*) 1952, S.B. (*ibid.*) 1953
 JEROME LIEBMAN, A.B. (*University of Pennsylvania*) 1949, D.M.D. (*Harvard University*) 1953
 FELIX FAUST LOEB, JR., A.B. (*University of Chicago*) 1951
 LEROY LONG, S.B. (*University of Oklahoma*) 1951
 CARL EDWIN LORENTSON, A.B. (*University of Michigan*) 1951
 JOHN HUGH LYONS, JR., S.B. (*Virginia Military Institute*) 1950
 WILLIAM ERNEST McANDREW, A.B. (*Dartmouth College*) 1952
 HUGH O'NEILL McDEVITT, A.B. (*Stanford University*) 1952
 ROBERT DAVID MEHLMAN, A.B. 1952
 RICHARD CHARLES MILLER, A.B. 1951

- WALTER HARRISON MORAN, JR., A.B. (*University of North Dakota*) 1952,
S.B. (*ibid.*) 1953
- DANIEL IRWIN MULLALLY, A.B. (*Boston College*) 1951
- HERBERT ARNOLD MULLER, JR., A.B. (*Dartmouth College*) 1952
- FRANCES FUMIYO NAKAMURA, A.B. (*Grinnell College*) 1951
- LESTON BELA NAY, JR., A.B. (*Antioch College*) 1951
- FORBES HOLTEN NORRIS, JR., S.B. 1949
- EDWARD MARSHALL PALLETTE, A.B. (*Stanford University*) 1951
- GILBERT RUSSELL PANZER, A.B. 1952
- WILLIAM ANDREW PARSHALL, A.B. (*University of Michigan*) 1951
- ROBERT LOUIS PARSONS, A.B. (*University of Maine*) 1951
- JAMES CLARENCE PIERCE, A.B. (*Carleton College*) 1951
- CONSTANCE SHEN PITTMAN, A.B. (*Wellesley College*) 1951
- DONALD OWEN POLLOCK, A.B. (*Hamilton College*) 1951
- PAUL MURRAY PRUSKY
- JUNE WISE PRYOR, A.B. (*University of Minnesota*) 1945
- PETER WHITCOMB RAND, A.B. 1951
- ROBERT HYMAN RESNICK
- BRUCE JONES SAMS, JR., S.B., (*Georgia Institute of Technology*) 1951
- JACK SHELBY SANDERS, A.B. (*Washington University*) 1950, S.B. IN MEDICINE
(*University of Missouri*) 1953
- ELEANOR GOSSARD SHORE, A.B. (*Radcliffe College*) 1950
- ROBERT BENJAMIN SIRKIN, A.B. (*Dartmouth College*) 1951
- MAURY SOLTES, A.B. (*University of Texas*) 1951
- ROBERT JACK SPERBER, S.B. (*University of Wisconsin*) 1948, S.M. (*ibid.*) 1949,
D.M.D. (*Harvard University*) 1953
- WALTER RICHARD STAHL, S.B. (*Massachusetts Institute of Technology*) 1951
- PAUL ALAN STEINMAN, S.B. (*University of Pittsburgh*) 1951
- AUGUST LUDWIG STEMMER, D.M.D., 1953
- QUENTIN ROY STILES, A.B. 1951
- HOWARD LESLIE STUBBLEFIELD, S.B. (*North Texas State College*) 1936, S.M.
(*ibid.*) 1939
- LAWRENCE CHARLES THUM, A.B. (*Stanford University*) 1951
- HAROLD CLIFTON URSCHEL, A.B. (*Princeton University*) 1951
- DOROTHY BALZER VILLEE, A.B. (*Barnard College*) 1950
- THOMAS ALEXANDER WALDMANN, A.B. (*University of Chicago*) 1951
- NORTON GARLOVE WATERMAN, A.B. (*University of Tennessee*) 1949, S.M.
(*ibid.*) 1950
- HARVEY JEROME WEISS, A.B. 1951
- WALDEN BENJAMIN WHITEHILL, A.B. (*Grinnell College*) 1951
- MARIAN WOOLSTON, A.B. (*Vassar College*) 1951
- EDWIN THEODORE WYMAN, JR., A.B. 1952 (1953)
- ARTHUR BAKER YULL, A.B. (*Amherst College*) 1951

M.D. *cum Laude* for Thesis in a Special Field

- LAWRENCE FREDERICK DIETLEIN, JR., S.B. (*Louisiana State University*) 1948,
A.M. (*Harvard University*) 1949
DAVID GORDON NATHAN, A.B. 1951

M.D. *cum Laude*

- JOHN ROGERS BLINKS, A.B. (*Stanford University*) 1951
GEORGIANA SYKES BOYER, S.B. (*University of Arizona*) 1951
RICHARD ALLYN CARLETON, A.B. (*Dartmouth College*) 1952
GEORGE EDWARD COBB, S.B. (*University of Oklahoma*) 1951
HARRY VASILI DEMESSIANOS, A.B. (*Bowdoin College*) 1950
THOMAS GEORGE GABUZDA, A.B. (*Lehigh University*) 1951
ROBERT CALVIN GOLDBERG, A.B. (*University of California*) 1948, A.M. (*ibid.*)
1949, PH.D. (*ibid.*) 1951
JONAS MELVIN GOLDSTONE, A.B. 1951
DEWITT STETTEN GOODMAN, A.B. 1951
LESTER GRINSPORN, S.B. (*Tufts College*) 1951
JOHN EDWARD MACK, A.B. (*Oberlin College*) 1951
RONALD ALAN MALT, A.B. (*Washington University*) 1951
ERNEST HENRY PICARD, S.B. (*Tufts College*) 1951
MITCHELL THORNTON RABKIN, A.B. 1951
HOWARD FRANKLIN RICKENBACH, JR., A.B. 1951
ELLIS LAWRENCE ROLETT, S.B. (*Yale University*) 1952
ALLAN IRWIN SANDLER, A.B. (*Princeton University*) 1951
CHARLES PELOT SUMMERALL, 3D, A.B. 1951
MILTON VIEDERMAN, A.B. (*Columbia University*) 1951
KENNETH S WARREN, A.B. 1951

M.D. *Magna cum Laude*

- ROMAN WILLIAM DESANCTIS, S.B. (*University of Arizona*) 1951
LEONARD JAY FRIEDMAN, A.B. 1951
SHERMAN MORTON WEISSMAN, S.B. (*Northwestern University*) 1950, S.M.
(*University of Chicago*) 1951
SUMNER IRWIN ZACKS, A.B. 1951

M.D. *Magna cum Laude* for Thesis in a Special Field

- BERNARD KLIMAN, A.B. 1951

CLASS OF JUNE 1955

INTERNSHIPS

Unless otherwise noted all *internships* start July 1, 1955 for one year.

<i>Name</i>	<i>Hospital (and location)</i>	<i>Service</i>
Abrahams, David	Peter Bent Brigham, Boston	Medical
Adelson, William J.	Syracuse Medical Center	Rotating
Alexanian, Raymond	King County, Seattle	Rotating
Allen, John D.	King County, Seattle	Medical
Atwater, Edward C.	Strong Memorial-Rochester Municipal	Medical
Austen, William G.	Massachusetts General, Boston	Surgical
Batchelder, Wendell W.	North Carolina Memorial, Chapel Hill	Medical
Bauer, Lester E.	University, Ann Arbor, Mich.	Rotating
Becker, David J.	Duke, Durham, N. C.	Medical
Bennett, David W.	Grady Memorial, Atlanta, Ga.	Medical
Blinks, John R.	Peter Bent Brigham, Boston	Medical
Bolman, William M.	Bellevue, New York	Pediatrics
Boyer, Georgiana S. (Mrs.)	Research, Cleveland	
Boyer, John T.	University Hosps., Cleveland	Medical
Brooks, Robert A.	Salt Lake County General	Medical
Brownsberger, Carl N.	Boston City (Harvard Service)	Medical
Buckingham, S. Sue (Miss)	Beth Israel, Boston	
Burg, Maurice B.	Beth Israel, Boston	Medical
Cahill, Charles A., 3d	North Carolina Memorial, Chapel Hill	Medical
Carleton, Richard A.	Boston City (Harvard Service)	Medical
Carpenter, Allan F.	U. of California, San Francisco	Medical
Chobanian, Aram V.	Massachusetts Memorial, Boston	Medical
Clement, S. Preston, Jr.	Massachusetts General, Boston	Medical
Cobb, George E.	Johns Hopkins, Baltimore	Surgical
Daniel, Thomas M.	University Hosps., Cleveland	Medical
Davis, Edgar F.	Mary Fletcher, Burlington, Vt.	Rotating
Decker, John B.	Bellevue (II Div.), New York	Medical
Deikman, Arthur J.	Philadelphia General	Rotating
Demessianos, Harry V.	Peter Bent Brigham, Boston	Surgical
DeSanctis, Roman W.	Massachusetts General, Boston	Medical
Dettman, Harold J.	Columbia, Milwaukee, Wis.	Rotating
Dietlein, Lawrence F., Jr.	Boston City (Harvard Service)	Medical
Dobos, Joseph K.	Roosevelt, New York	Mixed
Edwards, Leon C.	Research, Boston	
Ehrlich, Fred	Salt Lake County General	Rotating
Feldman, Martin P.	Strong Memorial-Rochester Municipal	Surgical
Fieve, Ronald R.	Bellevue (I Div.), New York	Mixed
Fife, James L.	Boston City (V Service)	Surgical

<i>Name</i>	<i>Hospital (and location)</i>	<i>Service</i>
Fischer, David S.	Kings County, Brooklyn	Medical
Flerlage, Stuart Q., Jr.	Cleveland City	Rotating
Fletcher, William S.	Boston City (V Service)	Surgical
Forbes, Vassilike Cecile (Mrs.)	Massachusetts General, Boston	Pediatrics
Friedman, Leonard J.	Massachusetts General, Boston	Medical
Gabuzda, Thomas G.	Massachusetts General, Boston	Medical
Garrett, William S., Jr.	University Hosps., Cleveland	Surgical
Geist, Howard J.	Barnes, St. Louis	Surgical
Gettes, Norton I.	Beth Israel, Boston	Surgical
Glass, MacEellis K.	Mount Sinai, New York	Surgical
Goldberg, Robert C.	Beth Israel, Boston	Medical
Goldstone, Jonas M.	Boston City (Harvard Service)	Medical
Goodman, DeWitt S.	Presbyterian, New York	Medical
Grant, Lester H.	Grace-New Haven Community	Medical
Greenberg, Harold L.	Beth Israel, Boston	Surgical
Greene, James A.	University, Ann Arbor, Mich.	Rotating
Grinspoon, Lester	Beth Israel, Boston	Medical
Gundersen, Alf E.	Massachusetts General, Boston	Surgical
Gurewich, Victor	Beth Israel, Boston	Medical
Hardman, Robert P.	Cleveland City	Rotating
Harper, George L.	U. S. Public Health, San Francisco	Rotating
Harris, Alvin H.	University Hosps., Cleveland	Surgical
Hayes, Barbara W. (Mrs.)	Minneapolis General	Rotating
H'Doubler, Peter B.	Peter Bent Brigham, Boston	Surgical
Hedberg, Stephen E.	Massachusetts General, Boston	Surgical
Heine, Earle R.	Harper, Detroit	Rotating
Heising, Ralph A.	U. S. Naval, Bethesda, Md.	Rotating
Hollingsworth, Gerald M.	Duval Medical Center, Jacksonville	Rotating
Humiston, Karl E.	King County, Seattle	Rotating
Hyman, Harris, 3d	U. of Minnesota Hosps., Minneapolis	Medical
Isenberg, Phillip L.	Boston City (Boston U. Service)	Medical
Jankowich, Raymond E.	Kings County, Brooklyn	Rotating
Kahn, Richard J.	Massachusetts Memorial, Boston	Medical
Kaye, Bernard L.	Grace-New Haven Community	Surgical
Keevil, Charles S., Jr.	Massachusetts General, Boston	Medical
Kenigsberg, Reuben K.	Boston City (V Service)	Surgical
Kightlinger, Benjamin N.	University Hosps., Cleveland	Medical
Kliman, Bernard	Beth Israel, Boston	Medical
Laszlo, John	University Chicago Clinics	Rotating
Leeper, Sidlee W.	† University, Ann Arbor, Mich.	Rotating
Leigh, John E.	Minneapolis General	Rotating
Liebman, Jerome	University Hosps., Cleveland	Pediatrics
Loeb, Felix F., Jr.	U. of Illinois Research & Educational, Chic.	Rotating
Long, LeRoy	U. of Illinois Research & Educational, Chic.	Surgical

† Two-year appointment.

<i>Name</i>	<i>Hospital (and location)</i>	<i>Service</i>
Lorentson, Carl E.	U. of Illinois Research & Educational, Chic.	Rotating
Lyons, John H., Jr.	Vanderbilt University, Nashville	Surgical
Mack, John E.	Massachusetts General, Boston	Medical
Malt, Ronald A.	Massachusetts General, Boston	Surgical
McAndrew, William L.	Philadelphia General	Rotating
McDevitt, Hugh O.	Peter Bent Brigham, Boston	Medical
Mehlman, Robert D.	Johns Hopkins, Baltimore (Pr. wds)	Medical
Miller, Richard C.	University Hosps., Cleveland	Surgical
Moran, Walter H., Jr.	U. of Minnesota Hosps., Minneapolis	Surgical
Mullally, Daniel I.	St. Louis City	Medical
Muller, Herbert A., Jr.	Pennsylvania, Philadelphia	Rotating
Nakamura, Frances F. (Miss)	Johns Hopkins, Baltimore	Pediatrics
Nathan, David G.	Peter Bent Brigham, Boston	Medical
Nay, Leston B., Jr.	U. S. Army, Valley Forge, Penn.	Rotating
Norris, Forbes H., Jr.	Johns Hopkins, Baltimore	Surgical
Pallete, Edward M.	Roosevelt, New York	Mixed
Panzer, Gilbert R.	Bellevue (II Div.), New York	Medical
Parshall, William A.	King County, Seattle	Rotating
Parsons, Robert L.	Presbyterian, Chicago	Rotating
Picard, Ernest H.	Beth Israel, Boston	Medical
Pierce, James C.	Peter Bent Brigham, Boston	Surgical
Pittman, Constance S. (Mrs.)	Baltimore City Hosps.	Medical
Pollock, Donald O.	Mary Imogene Bassett, Cooperstown, N. Y.	Mixed
Prusky, Paul M.	Indiana U. Medical Center, Indianapolis	Rotating
Pryor, June W. (Mrs.)	Children's Medical Center, Boston	Pediatrics
Rabkin, Mitchell T.	Massachusetts General, Boston	Medical
Rand, Peter W.	Maine General, Portland	Rotating
Resnick, Robert H.	New England Center, Boston	Medical
Rickenbach, H. F., Jr.	Pennsylvania, Philadelphia	Rotating
Rolett, Ellis L.	Massachusetts General, Boston	Medical
Sams, Bruce J., Jr.	North Carolina Memorial, Chapel Hill	Medical
Sanders, Jack S.	Kansas City General No. 1	Rotating
Sandler, Allan I.	Massachusetts General, Boston	Medical
Shore, Eleanor G. (Mrs.)	New England Center, Boston	Medical
Sirkin, Robert B.	Barnes, St. Louis	Surgical
Soltes, Maury	Boston City (V Service)	Surgical
Sperber, Robert J.	North Carolina Memorial, Chapel Hill	Medical
Stahl, Walter R.	U. S. Public Health Service, Staten Island	Rotating
Steinman, Paul A.	U. S. Air Force, Letterman Army, San Fran.	Rotating
Stemmer, August L.	Boston City (V Service)	Surgical
Stiles, Quentin R.	Massachusetts General, Boston	Surgical
Stubblefield, Howard L.	Los Angeles County General	Rotating
Summerall, Charles P., 3d	Massachusetts General, Boston	Medical
Thum, Lawrence C.	Stanford University Hosps., San Francisco	Medical

INTERNSHIPS

<i>Name</i>	<i>Hospital (and location)</i>	<i>Service</i>
Urschel, Harold C.	Massachusetts General, Boston	Surgical
Viederman, Milton	Peter Bent Brigham, Boston	Medical
Villee, Dorothy B. (Mrs.)	Massachusetts General, Boston	Pediatrics
Waldmann, Thomas A.	Massachusetts General, Boston	Medical
Warren, Kenneth S.	Boston City (Harvard Service)	Medical
Waterman, Norton G.	Barnes, St. Louis	Surgical
Weiss, Harvey J.	Bellevue (I Div.), New York	Mixed
Weissman, Sherman M.	Boston City (Harvard Service)	Medical
Whitehill, Walden B.	Cook County, Chicago	Rotating
Woolston, Marian (Miss)	*Children's Medical Center, Boston	Pediatrics
Wyman, Edwin T., Jr.	St. Luke's, New York	Mixed
Yull, Arthur B.	Stanford University Hosps., San Francisco	Surgical
Zacks, Sumner I.	Massachusetts General, Boston	Pathology

* January 1, 1956-December 31, 1956.

MEDICAL SCHOOL

Fourth Class (1956)

- Adimora, Samuel Nwanneka Nwaobodo, s.B. (*Haverford Coll.*) 1951. *Nigeria, B.W. Africa*
- Adler, Anita, A.B. (*Wellesley Coll.*) 1952. *Washington, D. C.*
- Alper, Chester Alan, A.B. 1952. *New York, N. Y.*
- Alpert, Joel Jacobs, A.B. (*Yale Univ.*) 1952. *New Haven, Conn.*
- †Altrocchi, Paul Hemenway, A.B. 1952. *Berkeley, Calif.*
- *Amick, Arthur Franklin, A.B. (*Dartmouth Coll.*) 1953 [Dartmouth Medical School]. *Loup City, Nebr.*
- Anderson, William Banks, Jr., A.B. (*Princeton Univ.*) 1952. *Durham, N. C.*
- *Arrington, Thomas Howell, s.B. (*Millsaps Coll.*) 1952 [Univ. of Mississippi Medical School]. *Jackson, Miss.*
- Baden, Howard Philip, A.B. 1952. *Dorchester, Mass.*
- ‡Baker, Lawrence (*Boston Univ.*), D.M.D. [Harvard Univ.] 1954. *Dorchester, Mass.*
- Ball, Mary Virginia, A.B. (*Smith Coll.*) 1940. *New York, N. Y.*
- Barbarisi, Charles Fisher, A.B. (*Coll. of the Holy Cross*) 1952. *Everett, Mass.*
- Barnet, Ann Birnbaum, A.B. (*Sarah Lawrence Coll.*) 1951. *Brooklyn, N. Y.*
- *Barnett, Guy Octo, A.B. (*Vanderbilt Univ.*) 1952 [Medical Coll. of Alabama]. *Greenville, Ala.*
- Baumgartner, Donavin Albert, Jr., A.B. (*Princeton Univ.*) 1952. *East Cleveland, Ohio.*
- Bergel, Ernest Walter, A.B. (*Columbia Univ.*) 1951, A.M. (*ibid.*) 1952. *New York, N. Y.*
- ‡Bergin, William Frank (*Univ. of Southern California*). *Glendale, Calif.*
- ‡Border, John Richard (*Indiana Univ., Harvard Coll.*) *Warren, Ind.*
- *Branch, Benjamin Nichols, A.B. (*Dartmouth Coll.*) 1953 [Dartmouth Medical School]. *Jenkintown, Pa.*
- Brochin, Malcolm, A.B. (*Dartmouth Coll.*) 1952. *New Haven, Conn.*
- Brown, Norman Kingsbury, A.B. (*Amherst Coll.*) 1952. *Buffalo, N. Y.*
- *Bryant, Kirby Knapp, A.B. (*Univ. of Mississippi*) 1952 [Univ. of Mississippi Medical School]. *Oxford, Miss.*
- Bullwinkel, Bob, A.B. (*Princeton Univ.*) 1952. *Princeton, N. J.*
- Bush, William George, A.B. 1952. *Sacramento, Calif.*

|| Transferred to first year class at midyear.

¶ Transferred to third year class from Harvard School of Dental Medicine.

* Transferred to third year class.

‡ Admitted on basis of three years' college work.

§ Admitted on basis of four years' college work (in several cases work for the degree completed).

† Sheldon Fellow.

- Cameron, Alan Bruce, A.B. (*Princeton Univ.*) 1952. *Minot, N. Dak.*
- Caner, John Edward Zimmerman, A.B. 1952. *Philadelphia, Pa.*
- Chamberlin, Robert West, Jr., S.B. (*Princeton Univ.*) 1951. *Cleveland Heights, Ohio*
- Ciccarelli, Eugene Charles, A.B. (*Univ. of Rochester*) 1954. *Canandaigua, N. Y.*
- Claffin, Robert, A.B. 1950. *Albany County, N. Y.*
- Clendenin, Thomas Michael, A.B. (*Columbia Univ.*) 1952. *El Paso, Texas*
- ¶Clubb, Robert Wayne, A.B. (*Linfield Coll.*) 1948, S.M. (*Univ. of Rochester*) 1951, D.M.D. (*Harvard Univ.*) 1954. *Raymond, Wash.*
- *Cockrell, Wayne Poe, S.B. (*Mississippi State Coll.*) 1953 [Univ. of Mississippi Medical School]. *West Point, Miss.*
- Coggeshall, Richard Edwin, A.B. (*Univ. of Chicago*) 1951. *Chicago, Ill.*
- ‡Cookson, David Upjohn (*Univ. of Michigan*). *Kalamazoo, Mich.*
- Cotsen, Robert Shepard, A.B. (*Dartmouth Coll.*) 1952. *East Orange, N. J.*
- Davis, John Stewart, A.B. (*Hamilton Coll.*) 1952. *Orchard Park, N. Y.*
- *Dennis, LeBaron William, A.B. (*Dartmouth Coll.*) 1953 [Dartmouth Medical School]. *Albany, N. Y.*
- Dorr, Andrew Damian, A.B. 1952. *Rosindale*
- Dunn, Frederick Lester, A.B. 1951. *New York, N. Y.*
- Edmunds, Louis Henry, Jr., S.B. (*Univ. of Washington*) 1953. *Seattle, Wash.*
- Eisenberg, Myron Michael, A.B. (*New York Univ.*) 1952. *Brooklyn, N. Y.*
- Fallon, Richard Henry, S.B. (*Boston Coll.*) 1952. *Belmont*
- Fleming, Thomas Corwin, A.B. 1952. *Boston*
- Franklin, Stanley Stewart, A.B. (*Univ. of California at Los Angeles*) 1952. *Los Angeles, Calif.*
- ‡Freedberg, Irwin Mark (*Dartmouth Coll.*) *Brookline*
- Gallo, Anthony Edward, S.B. (*Tufts Coll.*) 1952. *Pittsfield*
- ¶Garren, Leonard, S.B. (*Coll. of City of New York*) 1948, S.B. (*Univ. of Wisconsin*) 1950, D.M.D. (*Harvard Univ.*) 1954. *New York, N. Y.*
- *Gilmore, Bruce Leslie, A.B. (*Dartmouth Coll.*) 1953 [Dartmouth Medical School]. *Spring City, Pa.*
- *Goldberg, Leon Isadore, S.B. (*Medical Coll. of South Carolina*) 1946, S.M. (*ibid.*) 1951, PH.D. (*ibid.*) 1952 [Medical Coll. of South Carolina]. *Charleston, S. C.*
- ¶Goldstein, Stanley, S.B. (*The Citadel*) 1950, D.M.D. (*Harvard Univ.*) 1954. *New York, N. Y.*
- Goldwyn, Robert Malcolm, A.B. 1952. *Worcester*
- Goodell, Robert Alvan, Jr., A.B. (*Brown Univ.*) 1952. *Wethersfield, Conn.*
- Goodman, Allen David, A.B. 1952. *Brooklyn, N. Y.*
- Gordon, Spencer, Jr., A.B. (*Princeton Univ.*) 1952. *Washington, D. C.*
- Greenberg, Jack Jay, A.B. 1952. *Miami Beach, Fla.*
- Greenberg, Nathaniel Deere, A.B. 1952. *Highland Park, Ill.*

- Grover, John Wagner, A.B. 1952. *Moorefield, W. Va.*
- *Haggett, Everett Wilbert, A.B. (*Dartmouth Coll.*) 1953 [Dartmouth Medical School]. *Newton Highlands Brookline*
- Hall, William Anthony, A.B. 1950. *Marshfield, Wis.*
- Hansen, Marc Frederick, A.B. 1952. *Birmingham, Ala.*
- Hardenbergh, Firmon E, A.B. 1952. *Canton, Miss.*
- Harris, Eddie Henry, S.B. (*Tennessee State Coll.*) 1951. *Cincinnati, Ohio*
- Henshaw, Edgar Cummings, A.B. 1952. *Mound, Minn.*
- Hickok, David Fleming, A.B. (*Princeton Univ.*) 1952. *Mountain Lakes, N. J.*
- Higgins, Ernest Alexander, Jr., A.B. 1952. *Anniston, Ala.*
- †Hitselberger, William Edward (*Univ. of Wisconsin*). *Jersey City, N. J.*
- Hochman, Raymond Barton, A.B. (*Yale Univ.*) 1952. *Park Ridge, Ill.*
- Hunt, Thomas Knight, A.B. 1952. *Ontario, Oregon*
- Iseri, Oscar Akio, S.B. (*Antioch Coll.*) 1952. *Denver, Colo.*
- *Jacobey, John Arthur, Jr., A.B. (*Dartmouth Coll.*) 1953 [Univ. of Colorado School of Medicine]. *St. Louis, Mo.*
- *Jick, Hershel, A.B. (*Washington Univ.*) 1952 [Washington Univ. School of Medicine]. *Chicago, Ill.*
- Katz, Arnold Martin, A.B. (*Univ. of Chicago*) 1952. *Brooklyn, N. Y.*
- Kaufman, Herbert Edward, A.B. (*Princeton Univ.*) 1952. *Staten Island, N. Y.*
- Kaube, Walter, S.B. (*Massachusetts Inst. of Technology*) 1946, S.M. (*ibid.*) 1948. *Tallahassee, Fla.*
- *Kellogg, Donald Agger, A.B. (*Indiana Univ.*) 1952. [Indiana Univ. Medical School]. *Albany, N. Y.*
- ¶King, Leonard Edward, A.B. (*New York Univ.*) 1949, D.M.D. (*Harvard Univ.*) 1954. *New York, N. Y.*
- Kisch, Alex Lionel, A.B. (*Columbia Univ.*) 1952. *Jackson, Miss.*
- *Korndorffer, William Earl, Jr., S.B. (*Univ. of Mississippi*) 1952 [Univ. of Mississippi Medical School]. *Fremont, Ohio*
- Lafferty, Frederic Wood, S.B. (*Western Reserve Univ.*) 1952. *Columbus, Miss.*
- *Laws, Henry Latham, 2d, S.B. (*Univ. of Mississippi*) 1954 [Univ. of Mississippi Medical School]. *Brooklyn, N. Y.*
- Lederman, Melvin, S.B. (*Univ. of Michigan*) 1949, S.M. (*ibid.*) 1950, S.M. (*Yale Univ.*) 1952. *Jamaica Plain*
- Leonard, Lawrence Marvin, A.B. (*Haverford Coll.*) 1953. *South Hadley Falls*
- *L'Esperance, Francis Anthony, Jr., A.B. (*Dartmouth Coll.*) 1953 [Dartmouth Medical School]. *Marblehead*
- Levine, Norman David, A.B. 1952. *Tientsin, China*
- Liang, Edward Yin, S.B. (*George Washington Univ.*) 1952. *Czechoslovakia*
- ¶Lobpreis Ervin Leo (*Masaryk Univ., Harvard Coll.*) [Masaryk Univ. Medical School]. *Quincy*
- MacLeod, Gordon Carlyle, A.B. 1952.

- ¶Marcello, David Edward, A.B. (*Brown Univ.*) 1950, D.M.D. (*Harvard Univ.*) 1954. Wethersfield, Conn.
- McArthur, James Roderick, A.B. (*Reed Coll.*) 1952. Bremerton, Wash.
- McHugh, Paul Rodney, A.B. 1952. Lawrence
- McKee, Donald Morris, A.B. 1952. Wilmette, Ill.
- *McRae, John Murrell, Jr., S.B. (*Univ. of Mississippi*) 1953 [Univ. of Mississippi Medical School]. Lexington, Miss.
- ‡Menno, Albert Dominic (*Harvard Coll.*). Buffalo, N. Y.
- Messer, Joseph Verne, A.B. 1953. Watertown, S. Dak.
- Miller, Alfred Eric, S.B. (*Univ. of Washington*) 1951. Seattle, Wash.
- Miller, Lee Gilbert, A.A. (*Univ. of California*) 1951. Grass Valley, Calif.
- Milne, John Hollister, A.B. 1952. Barre, Vt.
- Monaco, Anthony Peter, A.B. (*Univ. of Pennsylvania*) 1952. Philadelphia, Pa.
- Moore, Thomas Edward, Jr., A.B. 1952. Santa Fe, N. Mex.
- *Moss, Malcolm Howard, A.B. (*Dartmouth Coll.*) 1953 [Dartmouth Medical School]. Newark, N. J.
- ‡Muhich, Donald Francis (*Eveleth Junior Coll. and Coll. of St. Thomas*). Eveleth, Minn.
- Nevison, Thomas Oliver, A.B. 1951. Lakewood, Ohio
- Norton, Charles Eric, A.B. 1952. Delmar, N. Y.
- Norton, Robert Egerton Graham, A.B. (*Grinnell Coll.*) 1952. Grinnell, Iowa
- O'Hara, Richard Sheridan, S.B. (*Coll. of the Holy Cross*) 1952. Pelham, N. Y.
- O'Malley, Joseph Paul, S.B. (*Coll. of the Holy Cross*) 1951. Jamaica Plain
- Pahnke, Walter Norman, A.B. (*Carleton Coll.*) 1952. Chicago Heights, Ill.
- Parks, William Stacy, A.B. 1952. Los Angeles, Calif.
- *Parshley, Philip Ford, Jr., A.B. (*Dartmouth Coll.*) 1953 [Dartmouth Medical School]. West Hartford, Conn.
- Paul, Geoffrey Raymond, A.B. 1952. Sydney, Australia
- Perlmutter, Alan David, A.B. 1952. Watertown
- Perry, Ralph Edwin, Jr., A.B. 1951. Lynbrook, N. Y.
- Peterson, Chase Nebeker, A.B. 1952. Logan, Utah
- Powell, Malcolm Ryburn, A.B. (*Princeton Univ.*) 1952. Wilmette, Ill.
- Radding, Charles Meyer, A.B. 1952. Springfield
- Raitt, James William, A.B. 1952. Ambler, Pa.
- Reich, Peter, A.B. 1952. Elmsford, N. Y.
- *Rohde, Russell Allan, S.B. (*Univ. of North Dakota*) 1954 [Univ. of North Dakota Medical School]. Grand Forks, N. Dak.
- *Rose, James Allen, A.B. (*Dartmouth Coll.*) 1953 [Dartmouth Medical School]. Larchmont, N. Y.
- Rosen, Saul Woolf, A.B. 1947. Chestnut Hill
- Rosenberg, Murray David, A.B. 1946(1947), A.M. (*ibid.*) 1948, M.ENG.SCI. (*ibid.*) 1950, PH.D. (*ibid.*) 1952. Cambridge

- Ross, John Joseph, A.B. (*Duke Univ.*) 1951. Jacksonville, Fla.
 ‡Roth, Sanford Irwin (*Vanderbilt Univ.*) Oak Ridge, Tenn.
 Ryan, James Hilary, A.B. (*Yale Univ.*) 1952. Rochester, N. Y.
 Sabath, Leon David, A.B. 1952. Rock Island, Ill.
 Saidi, Parvin, A.B. (*Smith Coll.*) 1953. Teberan, Iran
 Schatzki, Stefan Conrad, A.B. 1952. Belmont
 Schwob, Marianne Françoise, A.B. (*Bryn Mawr Coll.*) 1952. Caracas, Venezuela
- *Sell, Kenneth Walter, A.B. (*Univ. of North Dakota*) 1953, S.B. (*ibid.*) 1954 [Univ. of North Dakota Medical School]. Bismarck, N. Dak.
 Shafron, Melvin, S.B. (*Western Reserve Univ.*) 1952. Shaker Heights, Ohio
 ‡Smith, Gardner Watkins (*Princeton Univ.*) Brookline
 §Snow, James Byron, Jr. (*Univ. of Oklahoma*). Oklahoma City, Okla.
 Sogg, Richard Lee, A.B. 1952. Shaker Heights, Ohio
 Spencer, Emerald Martin, A.B. (*Dartmouth Coll.*) 1952. Cleveland, Ohio
 Spillane, John Joseph Brendan, A.B. 1952. Lowell
 *Steele, Barbara Bird, A.B. (*Univ. of Minnesota*) 1950. [Univ. of Minnesota Medical School]. Little Rock, Ark.
 Steinhardt, Rosalind, A.B. (*Barnard Coll.*) 1953. Bronx, N. Y.
 Stell, Robert Babers, A.B. (*Princeton Univ.*) 1952. Houston, Texas
 Stiles, Claire Martin, A.B. (*Wellesley Coll.*) 1952. Lexington
 Sterling, Roger Avon, A.B. (*Univ. of California at Los Angeles*) 1952. Redlands, Calif.
 Strickler, William Lee, A.B. (*James Millikin Univ.*) 1953. Sheldon, Ill.
 Stroud, Robert Malone, A.B. 1952. St. Louis, Mo.
 *Svoboda, Donald Joseph, A.B. (*Univ. of North Dakota*) 1953, S.B. (*ibid.*) 1954 [Univ. of North Dakota Medical School]. Johnstown, N. Dak.
 ¶Taira, Tom Keizo, A.B. (*Univ. of Wisconsin*) 1948, A.M. (*ibid.*) 1949, D.M.D. (*Harvard Univ.*) 1954. Honolulu, Hawaii
 Tashima, Charles Kazuto, A.B. (*Johns Hopkins Univ.*) 1952. Oahu, Hawaii
 Thamer, Mahmud Ali, A.B. (*Univ. of California*) 1952. Baghdad, Iraq
 Tucker, George Leon, A.B. (*Columbia Univ.*) 1952. Flushing, N. Y.
 ¶Vine, Bernard George, A.B. (*Yale Univ.*) 1950, D.M.D. (*Harvard Univ.*) 1954. Trenton, N. J.
- *von Hippel, Josephine B. Raskind, A.B. (*Bryn Mawr Coll.*) 1950, S.M. (*Massachusetts Inst. of Technology*) 1952 [Women's Medical Coll. of Pennsylvania]. Forest Hills, N. Y.
- ¶‡Walker, Jerome Kenneth (*Univ. of Wisconsin, Marquette Univ.*), D.M.D. (*Harvard Univ.*) 1953. Milwaukee, Wis.
 Weinberg, Arnold Nelson, S.B. (*Cornell Univ.*) 1952. Brooklyn, N. Y.
 White, Martin Keister, A.B. 1952. Falls Church, Va.
 Young, Charles William, A.B. (*Columbia Univ.*) 1952. Denver, Colo.
 Zehner, Harry, Jr., A.B. (*Princeton Univ.*) 1952. Washington, D. C.

Third Class (1957)

- *Abel, Francis Lee, A.B. (*Univ. of Kansas*) 1952. [State Univ. of Iowa College of Medicine]. *Creston, Iowa*
- Adams, Thomas William, A.B. 1953. *Salem*
- Alexander, Sidney, A.B. (*Wesleyan Univ.*) 1953. *Hartford, Conn.*
- Aronow, Wilbert Solomon, S.B. (*Queens Coll.*) 1953. *Richmond Hill, N. Y.*
- Bair, Glenn Otis, A.B. 1953. *Wichita, Kansas*
- Baker, George Pierce, Jr., A.B. 1953. *Milton*
- Bihari, Bernard, A.B. (*Cornell Univ.*) 1953. *Far Rockaway, N. Y.*
- Boulware, James Richmond, 3rd, S.B. (*Davidson Coll.*) 1953. *Lakeland, Fla.*
- Bray, George A, A.B. (*Brown Univ.*) 1953. *Winnetka, Ill.*
- *Brief, Donald Kent, A.B. (*Dartmouth Coll.*) 1954. [Dartmouth Medical School]. *South Orange, N. J.*
- Brunsting, Carl David, A.B. (*Univ. of Michigan*) 1953. *Rochester, Minn.*
- Busfield, Bernard Lawrence, Jr., A.B. 1953 (1954). *Marblehead*
- Claes, Daniel John, A.B. 1953. *El Segundo, Calif.*
- Cox, William Henry, A.B. (*Univ. of Rochester*) 1953. *Lamesa, Texas*
- *Crowe, John MacArthur, A.B. (*Dartmouth Coll.*) 1954. [Dartmouth Medical School]. *Montclair, N. J.*
- *Crum, Albert Bird, S.B. (Univ. of Redlands) 1953. [Coll. of Medical Evangelists School of Medicine]. *Omaha, Nebr.*
- Curtis, Lon Ernest, A.B. 1953 (1952). *Fergus Falls, Minn.*
- Daniels, Charles William, S.B. (*Georgia Inst. of Technology*) 1949, S.M. (*Tulane Univ.*) 1953. *Mobile, Ala.*
- Davis, Brack, A.B. (*Columbia Univ.*) 1953. *Los Angeles, Calif.*
- Deykin, Daniel, A.B. 1953. *Great Barrington*
- *Dickerson, Donald Edward, A.B. (*Univ. of Missouri*) 1953, S.B. in Medicine (*ibid.*) 1955. [Univ. of Missouri School of Medicine]. *Kansas City, Mo.*
- Ditmore, Dan Alan, A.B. (*Vanderbilt Univ.*) 1953. *Marshall, N. C.*
- Elovitz, Maurice Joseph, A.B. 1953. *Roxbury*
- Engle, Ralph Philip, Jr., A.B. (*Western Reserve Univ.*) 1953. *Fremont, Ohio*
- Fairfax, Charles Wilbur, 2nd, A.B. (*Princeton Univ.*) 1953. *Harvard*
- †Farrell, Thomas Edwin (*Duke Univ.*). *Sanford, N. C.*
- Fenster, Lajos Frederick, A.B. (*Stanford Univ.*) 1953. *San Francisco, Calif.*
- Finlayson, Norris Bryner, A.B. (*Yale Univ.*) 1953. *Seattle, Wash.*
- Folkman, Moses Judah, A.B. (*Ohio State Univ.*) 1953. *Columbus, Ohio*
- Freiberg, Richard Albert, A.B. 1953. *Cincinnati, Ohio*
- Friedland, Stephen Lester, A.B. (*Wesleyan Univ.*) 1953. *Jersey City, N. J.*

* Transferred to third year class.

‡ Admitted on basis of three years' college work.

† Admitted on basis of two years' college work.

° Transferred to the second year class.

§ Admitted on basis of four years' college work (in several cases work for the degree completed).

- *Galicich, Joseph Henry, Jr., A.B. (*Stanford Univ.*) 1954. [Stanford Univ. School of Medicine]. *Rock Springs, Wyo.*
- Gay, Ferdinand James, Jr., A.B. (*Stanford Univ.*) 1953. *Santa Monica, Calif.*
- Gergen, John Andrew, S.B. (*Yale Univ.*) 1953. *Durham, N. C.*
- Gill, Thomas James, 3rd, A.B. 1953. *Medford*
- *Gilson, Benjamin Jenks, A.B. (*Dartmouth Coll.*) 1954. [Dartmouth Medical School]. *Providence, R. I.*
- Gornel, Daniel Lewis, A.B. (*Pomona Coll.*) 1953. *Beverly Hills, Calif.*
- Gray, Daniel Friedlander, A.B. (*Hamilton Coll.*) 1953. *Amsterdam, N. Y.*
- *Grayzel, Arthur Irwin, A.B. 1953. [New York Univ. College of Medicine]. *Brooklyn, N. Y.*
- Green, Gareth Montraville, A.B. 1953. *Brookline*
- Greenough, William Bates, 3rd, A.B. (*Amherst Coll.*) 1953. *Providence, R. I.*
- *Greganti, Frank Paul, S.B. (*Univ. of Mississippi*) 1954. [Univ. of Mississippi School of Medicine]. *Merigold, Miss.*
- Hall, Thomas Livingston, A.B. 1953. *Concord*
- *Harrod, David Bidwell, A.B. (*Miami Univ.*) 1953. [Hahnemann Medical School]. *New London, Ohio*
- Harrod, Emma Krall, A.B. (*Miami Univ.*) 1952. *Eaton, Ohio*
- Hartzell, Harry Erb, Jr., A.B. (*Princeton Univ.*) 1953. *London, England*
- Hellman, Emanuel Scholem, A.B. 1953. *New York, N. Y.*
- Herrera-Acena, Manuel Guillermo, A.B. 1953. *Guatemala City, Guatemala*
- *Herrmann, John Bellows, A.B. (*Dartmouth Coll.*) 1954. [Dartmouth Medical School]. *Cincinnati, Ohio*
- Hill, George James, 2nd, A.B. (*Yale Univ.*) 1953. *Sioux Falls, S. Dak.*
- Hinckley, Ralph Herrick, A.B. 1953. *Belmont*
- Holmes, David MacRae, A.B. 1953. *Oklahoma City, Okla.*
- *Horton, Edward Schurr, A.B. (*Dartmouth Coll.*) 1954. [Dartmouth Medical School]. *Hanover, N. H.*
- Hosford, Richard Gordon, A.B. (*Southern Methodist Univ.*) 1953. *Dallas, Texas*
- Hudnut, Herbert Beecher, Jr., A.B. (*Princeton Univ.*) 1953. *Detroit, Mich.*
- Huttenlocher, Peter Richard, A.B. (*Univ. of Buffalo*) 1953. *Buffalo, N. Y.*
- Jackson, Anna Charlotte, B.M.E. (*Rensselaer Polytechnic Inst.*) 1948, A.M. (*Univ. of Washington*) 1952. *Brooklyn, N. Y.*
- Josimovich, John Brigham, A.B. 1953. *Chicago, Ill.*
- Kartchner, Mark Martineau, S.B. (*Univ. of Arizona*) 1953. *St. David, Ariz.*
- *Kieger, Edward Frank, 2d, A.B. (*Dartmouth Coll.*) 1954. [Dartmouth Medical School]. *Chagrin Falls, Ohio*
- Kroll, Kenneth Melbourne, S.B. (*Rutgers Univ.*) 1953. *Woodland Hills, Calif.*
- Krooth, Robert Schild, A.B. (*Stanford Univ.*) 1948, DR. PHIL. (*Univ. of London*) 1952. *Chicago, Ill.*
- La Casce, Joseph Henry, S.B. (*Bowdoin Coll.*) 1946. *Fryeburg, Maine*

- Layzer, Robert Bertrand, A.B. 1953. *Cleveland Heights, Ohio*
- *Lee, Ting David, Jr., A.B. (*Dartmouth Coll.*) 1954. [Dartmouth Medical School]. *Portland, Ore.*
- Leith, David Evan, A.B. (*Lehigh Univ.*) 1953. *Bethlehem, Pa.*
- Lewis, John Leeman, Jr., A.B. 1952. *Houston, Texas*
- *Linfoot, John Ardis, A.B. (*Univ. of North Dakota*) 1953, s.B. and s.M. (*ibid.*) 1955. [Univ. of North Dakota School of Medicine]. *Grand Forks, N. Dak.*
- Lupien, Gordon Francis, A.B. 1953. *Brockton*
- Lynch, Mark Edward, A.B. 1953. *Norwood*
- *Markette, James Ralph, s.B. (*Univ. of Mississippi*) 1954. [Univ. of Mississippi School of Medicine]. *Brookhaven, Miss.*
- ‡Marshall, David Charles, (*Univ. of Michigan, Univ. of Calif.*). *Findlay, Ohio*
- McCusker, James Joseph, s.B. (*Boston Coll.*) 1953. *Waltham*
- McFee, Arthur Storer, A.B. 1953. *Cambridge*
- *McIntyre, Oswald Ross, A.B. (*Dartmouth Coll.*) 1953. [Dartmouth Medical School]. *Omaha, Nebr.*
- McKee, William Dinwiddie, A.B. (*Cornell Univ.*) 1953. *Littleton, Colo.*
- McNay, John Leeper, Jr., A.B. (*Yale Univ.*) 1953. *Kansas City, Mo.*
- Milde, Paul Arthur, A.B. 1953. *Cleveland Heights, Ohio*
- Miller, Abbott Richard, A.B. 1953. *Brookline*
- °Mohr, George Carl, A.B. (*Luther Coll.*) 1951, A.B. (*Hertford Coll. Oxford Univ.*) 1954 [Univ. of Oxford Medical School]. *Ridgeway, Iowa*
- Morris, Roger Helmick, A.B. 1953. *Tucson, Ariz.*
- Moss, Arthur Jay, A.B. (*Yale Univ.*) 1953. *White Plains, N. Y.*
- Mossman, Robert Garrett, A.B. (*Yale Univ.*) 1952. *Fort Wayne, Ind.*
- *Mueller, Gustave Charles Erich, s.B. (*Univ. of Wisconsin*) 1953. s.M. (*ibid.*) 1955. [Univ. of Wisconsin Medical School]. *Princeton, Wis.*
- *Neri, Mario Philip, A.B. (*Brown Univ.*) 1950. [Columbia Univ. College of Physicians and Surgeons]. *Providence, R. I.*
- †Norkin, Stanislav (*Univ. of Wuerzburg*). *Munich, Germany*
- Norton, Richard Allen, A.B. (*Yale Univ.*) 1951. *Wellesley Hills*
- O'Connor, Daniel John, Jr., A.B. 1953. *Lowell*
- Okezie, Okogbue, s.B. (*Iowa Wesleyan Coll.*) 1953. *Nigeria, B.W. Africa*
- Oliver, George Charles, Jr., A.B. 1953. *Jacksonville, Fla.*
- *Oneal, Robert Moore, A.B. (*Dartmouth Coll.*) 1954. [Dartmouth Medical School]. *Omaha, Nebr.*
- Onken, Henry Dralle, A.B. (*Princeton Univ.*) 1953. *University City, Mo.*
- Palmer, Robert Howard, A.B. (*Oberlin Coll.*) 1953. *Chicago, Ill.*
- Parker, John William, s.B. (*Univ. of Arizona*) 1953. *Morenci, Ariz.*
- Pierce, Donald Shelton, A.B. 1953. *Castine, Maine*

- Pulerwitz, Leonard, A.B. (*Western Reserve Univ.*) 1953. *Queens Village, N. Y.*
- Puvrez, Marie-Francoise, B.Sc. (*McGill Univ.*) 1953. *Montreal, P.Q., Canada*
- Remensnyder, John Paul, Jr., A.B. (*Wesleyan Univ.*) 1953. *Ossining, N. Y.*
- *Retzlaff, John A, s.B. (*Univ. of North Dakota*) 1955. [Univ. of North Dakota School of Medicine]. *Jamestown, N. Dak.*
- Rivers, Robert Joseph, Jr., A.B. (*Princeton Univ.*) 1953. *Princeton, N. J.*
- §Robertson, Ralph Dean (*Harvard Coll.*). *Bellingham, Wash.*
- Rockett, Francis Xavier, s.B. (*Tufts Coll.*) 1953. *Medford*
- Rubenstein, Howard Stuart, A.B. (*Carleton Coll.*) 1953. *Chicago, Ill.*
- Saechew, Suiliam, s.B. (*Univ. of Michigan*) 1952, s.M. (*ibid.*) 1953. *Trang, Thailand*
- Schneiderman, Lawrence Jerome, A.B. (*Yale Univ.*) 1953. *White Plains, N. Y.*
- Schotland, Marilyn Goldfeder, A.B. (*Barnard Coll.*) 1953. *New York, N. Y.*
- Schutter, Jane Carol, s.B. (*Syracuse Univ.*) 1952. *Schenectady, N. Y.*
- Senger, Harry Lech, Jr., A.B. 1953. *Cincinnati, Ohio*
- Shapiro, Sandor Solomon, A.B. 1953. *Brooklyn, N. Y.*
- Sidel, Victor William, A.B. (*Princeton Univ.*) 1953. *Trenton, N. J.*
- Silbert, Jeremiah Eli, A.B. 1953. *University Heights, Ohio*
- *Silver, Randall Harding, s.B. (*Univ. of New Hampshire*) 1953. [Dartmouth Medical School]. *Newport, N. H.*
- Simmons, Richard Joseph, A.B. (*Princeton Univ.*) 1953. *Elizabeth, N. J.*
- Singleton, John Weir, A.B. (*Yale Univ.*) 1953. *Denver, Colo.*
- *Smith, George Virgil, s.B. (*Univ. of Mississippi*) 1955. [Univ. of Mississippi School of Medicine]. *Jackson, Miss.*
- ‡Smith, Norman Ty (*Harvard Coll.*). *Fort Lauderdale, Fla.*
- Smith, Sumner Arnold, A.B. 1953. *Brighton*
- °Snell, John Edward, A.B. 1953 [State Univ. of Iowa Coll. of Medicine]. *Iowa City, Iowa*
- Stern, Adolph, A.B. (*Temple Univ.*) 1948, A.M. (*Harvard Univ.*) 1949, PH.D. (*ibid.*) 1952. *Asbury Park, N. J.*
- Sullivan, Philip Richard, s.B. (*Coll. of the Holy Cross.*) 1953. *Jamaica Plain*
- Sutherland, Donald Wood, A.B. (*Amherst Coll.*) 1953. *Drexel Hill, Pa.*
- *Tannenbaum, Charles Shepard, A.B. (*Dartmouth Coll.*) 1954. [Dartmouth Medical School]. *New York, N. Y.*
- ‡Tashjian, Armen Haig, Jr. (*Yale Coll.*). *Oswego, Ore.*
- *Tepper, Lloyd Barton, A.B. (*Dartmouth Coll.*) 1954. [Dartmouth Medical School]. *Los Angeles, Calif.*
- Todd, James Stiles, A.B. 1953. *South Yarmouth*
- Van Buskirk, David, A.B. (*Yale Univ.*) 1953. *Pittsburgh, Pa.*
- von Hippel, Arndt Robert, s.B. (*Massachusetts Inst. of Technology*) 1953. *Weston*

- Waelder, Dorothea Elizabeth, A.B. (*Radcliffe Coll.*) 1953. *Bethesda, Md.*
 Wagman, Richard Jay, A.B. 1953. *New York, N. Y.*
 *†Wang, Shen-Kuang, (*National Central Univ.*) M.D. [*National Central Univ. Medical College*] 1945. *Nanking, China*
 Washburn, Thomas Campbell, A.B. (*Amherst Coll.*) 1953. *Denver, Colo.*
 Weber, George Spang, A.B. (*Princeton Univ.*) 1953. *Wyomissing, Pa.*
 *Weiser, Frank Morton, A.B. (*Dartmouth Coll.*) 1954. [*Dartmouth Medical School*]. *New York, N. Y.*
 Widrow, Sidney Harold, A.B. (*Dartmouth Coll.*) 1953. *Versailles, Conn.*
 Wilkie, George Hamilton, A.B. (*Williams Coll.*) 1953. *Westmount, P.Q. Canada*
 Williams, George Melville, A.B. (*Oberlin Coll.*) 1953. *Leonia, N. J.*
 Wolff, Anna Kris, A.B. (*Radcliffe Coll.*) 1953. *Stamford, Conn.*
 Wolff, Carl Theodore, A.B. (*Yale Univ.*) 1953. *New York, N. Y.*
 Wylie, Harold Worden, Jr., A.B. (*Park Coll.*) 1953. *New York Mills, N. Y.*
 *Yamaguchi, Donald Mitsuo, A.B. (*Univ. of Hawaii*) 1953. [*Univ. of North Dakota School of Medicine*]. *Maui, Hawaii*
 Yeoh, Chin Bor, A.B. (*Yale Univ.*) 1953. *Penang, Malaya*
 *Yurchak, Peter Michael, A.B. (*Univ. of Pennsylvania*) 1953. [*Temple Univ. School of Medicine*]. *Wheeling, W. Va.*

Second Class (1958)

- ‡Adkins, Howard Eugene (*Boise Jr. Coll., Coll. of Idaho*). *Meridian, Idaho*
 ‡Alden, Peter Dunham (*Harvard Coll.*). *Hempstead, N. Y.*
 Bennett, Joe Claude, A.B. (*Howard Coll.*) 1954. *Birmingham, Ala.*
 Berlin, Richard Davidson, A.B. 1954. *Santa Barbara, Calif.*
 ‡Blume, Sheila Bierman (*Cornell Univ.*). *Great Neck, N. Y.*
 Bodel, Phyllis Tuck, A.B. (*Radcliffe Coll.*) 1954. *Lakeville, Conn.*
 Bohrer, Stanley Paul, A.B. (*Univ. of Michigan*) 1954. *Washington, D. C.*
 Brown, Barton Alexander, A.B. (*Univ. of California*) 1954. *San Francisco, Calif.*
 Burnett, Joseph Warren, A.B. (*Yale Univ.*) 1954. *Lancaster, Pa.*
 Butterfield, Donald Englund, A.B. (*Univ. of Chicago*) 1953. *Wauwatosa, Wis.*
 Caldwell, Peter Richard Briggs, A.B. (*Dartmouth Coll.*) 1954. *Putney, Vt.*
 Cannon, Paul Jude, A.B. (*Coll. of the Holy Cross*) 1954. *Ridgewood, N. J.*
 Chandler, Hugh Pollard, A.B. 1954. *Auburndale*
 Cheever, Allen Williams, S.B. (*Carleton Coll.*) 1954. *Brookings, S. Dak.*
 ‡Cline, Martin Jay (*Univ. of Pennsylvania*). *Philadelphia, Pa.*
 Coggins, Cecil Hammond, A.B. (*Yale Univ.*) 1954. *Mare Island, Calif.*

‡ Admitted on basis of three years' college work.

° Transferred to the second year class.

† Admitted on basis of two years' college work.

- Collins, Calvin John, A.B. (*Williams Coll.*) 1954. Melrose
 Conovitz, Myron William, A.B. (*Yale Univ.*) 1954. Flushing, N. Y.
 Corwin, Howard Alan, A.B. 1954. Millburn, N. J.
 Dettman, Prentiss Maurice, A.B. (*Albion Coll.*) 1954. St. Ignace, Mich.
 Drum, David Elam, S.B. (*Washington & Lee Univ.*) 1954. Richmond, Va.
 Ege, Günes Nurettin, A.B. (*American Coll. for Girls*) 1952, A.B. (*Barnard
 Coll.*) 1954. Istanbul, Turkey
 Eilers, Elizabeth Anne, A.B. (*Radcliffe Coll.*) 1954. Washington, D. C.
 Elkins, William Lukens, A.B. (*Princeton Univ.*) 1954. Bryn Mawr, Pa.
 Eraklis, Angelo John, A.B. (*Bowdoin Coll.*) 1954. Portland, Maine
 Esmiol, Pattison, A.B. 1954. Colorado Springs, Colo.
 Feingold, David Stuart, A.B. 1954. West Newton
 Frommer, Peter Leslie, E.E. (*Univ. of Cincinnati*) 1954. Cincinnati, Ohio
 Galt, John, A.B. (*Princeton Univ.*) 1954. Pittsfield
 Gebel, Peter Paul, S.B. (*Rutgers Univ.*) 1954. Princeton, N. J.
 Gifford, George Hussey, Jr., A.B. 1952. Cambridge
 Gilman, Robert Broff, A.B. (*Western Reserve Univ.*) 1953. Shaker Heights, Ohio
 Goldstone, Murray Austin, A.B. (*Hamilton Coll.*) 1954. Rome, N. Y.
 ‡Goodman, Stephen Benyas (*Harvard Coll.*). Milwaukee, Wis.
 Haake, Paul Charles, A.B. 1954. Winona, Minn.
 Hafter, Sara Sheila, A.B. (*Brooklyn Coll.*) 1950, A.M. (*New School for Social
 Research*) 1954. Brooklyn, N. Y.
 Hatfield, Jeannette, S.B. (*McGill Univ.*) 1954. Utica, N. Y.
 Healey, Stephen James, 3d, A.B. 1954. Newton
 Hirschhorn, Richard Clark, A.B. 1954. Longmeadow
 Hofer, Myron Arms, 2d, A.B. 1954. Rockport, Maine
 Hood, William Boyd, Jr., S.B. (*Davidson Coll.*) 1954. Wallace, N. C.
 Howard, Jed Lee, A.B. (*Johns Hopkins Univ.*) 1954. North Bellmore, N. Y.
 Hutchinson, Richard Chapell, A.B. 1952. Providence, R. I.
 Jacob, Harry Samuel, A.B. (*Reed Coll.*) 1954. San Francisco, Calif.
 °Jacobson, Ruth Frances, A.B. (*Radcliffe Coll.*) 1952. [Univ. of Chicago
 School of Medicine]. Chicago, Ill.
 Jacoby, George Alonzo, Jr., A.B. (*Yale Univ.*) 1954. Birmingham, Mich.
 James, Lewis Paul, Jr., A.B. (*Yale Univ.*) 1954. West Hartford, Conn.
 Joseph, Jordan, A.B. 1954. Roxbury
 Kahn, Charles Sigmond, A.B. 1954. Birmingham, Ala.
 Kantor, Martin, A.B. (*Brown Univ.*) 1954. Brooklyn, N. Y.
 Karlan, Robert David, S.B. (*Univ. of Wisconsin*) 1954. Flushing, N. Y.
 Kisch, Arnold Immanuel, A.B. (*Columbia Univ.*) 1954. New York, N. Y.
 Kliman, Allan, A.B. 1954. Mattapan
 Korn, David, A.B. 1954. Providence, R. I.
 Kremen, Howard Myron, A.B. (*Univ. of Chicago*) 1952. Chicago, Ill.

- Lamie, Anita Marie, s.B. (*Univ. of New Hampshire*) 1954. Haverhill
 Lang, David J, A.B. (*Swarthmore Coll.*) 1954. Philadelphia, Pa.
 Li, John Kung-Hsien, A.B. 1954. Nanking, China
 Liebman, Leila, s.B. (*Tufts Coll.*) 1954. Boston
 Lindenbaum, John, A.B. (*Cornell Univ.*) 1954. Harrison, N. Y.
 Lipson, Charles Sidney, A.B. 1954. Chestnut Hill
 °Livingstone, John Bennett, A.B. (*Brown Univ.*) 1954. [Univ. of Pennsylvania
 School of Medicine]. Providence, R. I.
 Lukens, John Nevius, Jr., A.B. (*Princeton Univ.*) 1954. Birmingham, Ala.
 Lynn, Gene Edison, A.B. (*Univ. of Illinois*) 1952, M.ED. (*ibid.*) 1954. Evansville, Ind.
 Madden, John William, s.B. (*Yale Univ.*). 1955. Claremont, Calif.
 Matthews, Norman Eakes, A.B. (*Haverford Coll.*) 1954. Decatur, Ga.
 McEwen, Charles Milton, Jr., A.B. 1954. Arlington
 Messer, Ronald James, A.B. 1954. Polo, Ill.
 Miller, Elliott Vaughn, s.B. (*Denison Univ.*) 1954. Sioux Falls, S. Dak.
 Morgan, Clarence Lorenzo, s.B. (*Tufts Coll.*) 1954. University City, Mo.
 Morse, Edward Everett, A.B. 1954. Gardner
 Nance, Walter Elmore, s.B. (*Univ. of the South*) 1954. Oak Ridge, Tenn.
 Nidus, Bernard Dave, A.B. (*Columbia Univ.*) 1953. Bronx, N. Y.
 Noble, Walter Morris Hart, A.B. 1954. San Francisco, Calif.
 †Nowosiwskyj, Taras (*Columbia Coll.*). New York, N. Y.
 Parker, Albert Cushman, Jr., A.B. (*Columbia Univ.*) 1954. Union City, N. J.
 Patch, Vernon Duane, A.B. 1951. Agawam
 Patton, Anthony Seavey, A.B. 1954. Lexington
 °Pearl, Don Chester, Jr., s.B. (*Univ. of Washington*) 1955. [Univ. of Wash-
 ington School of Medicine]. Seattle, Wash.
 Penick, Sydnor Barksdale, 3d, A.B. (*Princeton Univ.*) 1954. Montclair, N. J.
 Pierce, Rudolph Walter, s.B. (*U.S. Naval Academy*) 1951. Barrington, R. I.
 Rabinowitz, Seymour, A.B. (*Wesleyan Univ.*) 1954. Hartford, Conn.
 Randall, Glenn Hubbard, s.B. (*Antioch Coll.*) 1954. Buffalo, N. Y.
 Ricketts, Howard James, A.B. (*Oberlin Coll.*) 1954. Chicago, Ill.
 Robinson, Stephen Howard, A.B. 1954. Brooklyn, N. Y.
 Rogers, Adrienne Ellefson, A.B. (*Radcliffe Coll.*) 1954. Columbus, Nebr.
 Rosson, Robert Stanley, A.B. (*Wesleyan Univ.*) 1954. Silver Spring, Md.
 Satin, David George, A.B. (*Princeton Univ.*) 1954. Brooklyn, N. Y.
 Schur, Peter Henry, A.B. (*Yale Univ.*). 1955. New York, N. Y.
 Shambaugh, Philip Wells, A.B. 1954. New York, N. Y.
 Shavelson, Robert William, A.B. (*Princeton Univ.*) 1954. Ventnor, N. J.
 Smith, Benjamin Vergon, Jr., A.B. (*Princeton Univ.*) 1954. Wilmington, Ohio
 Soffer, Richard Lubert, A.B. (*Amherst Coll.*) 1954. New York, N. Y.
 Solomon, Irene Leider, A.B. (*Radcliffe Coll.*) 1954. Brooklyn, N. Y.
 Solow, Charles, A.B. 1954. New York, N. Y.

- Sonnenblick, Edmund Hiram, A.B. (*Wesleyan Univ.*) 1954.
West Hartford, Conn.
- Sorokin, Sergei Pitirimovitch, A.B. 1954.
Winchester
- Spaeth, George Link, A.B. (*Yale Univ.*) 1954.
Philadelphia, Pa.
- Sproul, Lyman Edwin, Jr., A.B. 1954.
Saugus
- Starke, Rodman David, A.B. (*Williams Coll.*) 1954.
Durham, N. H.
- Sullivan, William Henry, A.B. (*Boston Coll.*) 1954.
Auburndale
- Tichell, Robert Haskell, A.B. 1954.
Mattapan
- Tilles, Jeremiah Godfrey, A.B. 1954.
Seaside Heights, N. J.
- Tollackson, Kenneth Alan, A.B. (*Whitman Coll.*) 1954.
Tacoma, Wash.
- Trucker, Earl Bruce, A.B. 1954.
Minneapolis, Minn.
- Tulenko, John Francis, A.B. 1954.
Holyoke
- Ullian, Robert Boris, A.B. 1954.
Brookline
- Unger, Laurence Neil, A.B. (*Cornell Univ.*) 1954.
New York, N. Y.
- Valeri, Charles Robert, S.B. (*Tufts Coll.*) 1954.
Leominster
- von Hoyningen-Huene, Christian Berend, A.B. (*Bowdoin Coll.*) 1954.
Woolwich, Maine
- Von Kessler, Kirby Langston Chandler, A.B. 1954.
Santa Barbara, Calif.
- Wegner, Karl Heinrich, A.B. (*Yale Univ.*) 1952.
Pierre, S. Dak.
- Wilde, Lawrence, A.B. 1954.
Berkeley, Calif.
- Winter, Thorne Sherwood, 3d, A.B. (*Duke Univ.*) 1954.
Atlanta, Ga.
- Wolfson, Sanford, A.B. (*Williams Coll.*) 1954.
Plainfield, N. J.
- Wollman, Harry, A.B. 1954.
Philadelphia, Pa.

First Class (1959)

- Abroms, Gene Mayer, A.B. 1955.
Dermott, Ark.
- Adelstein, Robert Simon, A.B. (*Princeton Univ.*) 1955.
New York, N. Y.
- Amarasingham, Chandra-Raj, S.B. (*Univ. of Kentucky*) 1953.
Jaffna, Ceylon
- Amory, William, A.B. 1955.
South Natick
- Ault, Lynn Lyell, A.B. (*Wabash Coll.*) 1955.
Lima, Ohio
- Baker, Frederick Sherman, A.B. 1955.
Hastings-on-Hudson, N. Y.
- Barrett, James Elmer, Jr., A.B. 1955.
New York, N. Y.
- Barten, Harvey Harold, A.B. 1955.
East Orange, N. J.
- Barth, Louis, A.B. (*Radcliffe Coll.*) 1955.
Brookline
- Barton, William Howard, A.B. (*Yale Univ.*) 1955.
Memphis, Tenn.
- Baughman, Richard DeWeese, A.B. (*Amherst Coll.*) 1955.
Wellesley Hills
- Beck, Kathryn Shaeffer, A.B. (*Radcliffe Coll.*) 1955.
Cleveland, Ohio
- Beiles, Carl Myron, A.B. 1955.
Woodmere, N. Y.
- Berard, Costan William, A.B. (*Princeton Univ.*) 1955.
Cranford, N. J.
- Berger, Jacob Everett, A.B. 1955.
Brookline
- Blacklow, Robert Stanley, A.B. 1955.
Belmont
- Boden, Richard Evan, A.B. 1955.
Cleveland Heights, Ohio

‡ Admitted on basis of three years' college work.

- Bostic, William Chivous, 3d, A.B. (*Univ. of North Carolina*) 1952.
Forest City, N. C.
- Brown, Forest Elliott, S.B. (*Univ. of Notre Dame*) 1955. Springfield, Ky.
- Burden, Charles Earle, S.B. (*Yale Univ.*) 1955. Bath, Maine
- ‡Burkhardt, Boyd Roberts (*Columbia Univ., Stanford Univ.*) Tipton, Ind.
- Cage, Gary Walker, A.B. 1955. Birmingham, Ala.
- Carey, Robert Willard, A.B. (*Williams Coll.*) 1955. Harrisburg, Pa.
- Carey, Thomas Alan, A.B. 1955. Denver, Colo.
- Chirman, Savelly Samuel Boris, S.B. (*State Teachers Coll., Pa.*) 1951, A.M.
(*Univ. of Oregon*) 1952. Hillsboro, Ore.
- Clemens, Norman Andrew, A.B. (*Wesleyan Univ.*) 1955. Wilkes-Barre, Pa.
- Colberg, James Edward, A.B. (*Williams Coll.*) 1955. Milwaukee, Wis.
- Conway, Richard Ellis, A.B. 1952. Salem
- Cooper, Alan James, A.B. (*Williams Coll.*) 1955. Plattsburg, N. Y.
- Cumberbatch, Rudolph St. Clair, S.B. (*Columbia Univ.*) 1955.
Barbados, B.W.I.
New York, N. Y.
- Darrell, Richard Wheeler, A.B. 1955. Talladega, Ala.
- Dixon, James Kelly, 2d, S.B. (*Univ. of Alabama*) 1955. Holyoke
- Dowling, John Alan, A.B. 1955. Bogota, Colombia
- Downes, Hall, A.B. 1955. Toms River, N. J.
- Engelman, Karl, S.B. (*Rutgers Univ.*) 1955. Philadelphia, Pa.
- Epstein, Charles Joseph, A.B. 1955. Claverack, N. Y.
- Esselstyn, Sarah Vosburgh, A.B. (*Vassar Coll.*) 1954. Berkeley, Calif.
- Eyring, Edward Joseph, A.B. (*Princeton Univ.*) 1955. Berkeley, Calif.
- Fern, Donald Joel, A.B. 1955. Forest Hills, N. Y.
- Galler, Floyd Bruce, A.B. 1955. Chicago, Ill.
- Glaser, Frederick Bernard, S.B. (*Univ. of Wisconsin*) 1955. Rochester, N. Y.
- Gold, Warren Maxwell, A.B. 1955. Wilmington, Del.
- Goldstone, Robert Allen, S.B. (*Univ. of Wisconsin*) 1955. New York, N. Y.
- Goss, Donald Arthur, A.B. (*Hamilton Coll.*) 1955. Albuquerque, N. Mex.
- Gundersen, Peter Mason, A.B. 1955. Brookline
- Hardison, William Gerry Morgan, A.B. 1955. Washington, D. C.
- Hayes, Robert Earl, 3d, S.B. (*Davidson Coll.*) 1955. Fayetteville, N. C.
- Haywood, Anne Mowbray, A.B. (*Bryn Mawr Coll.*) 1955.
White Plains, N. Y.
- Herbst, Arthur Lee, A.B. 1953. Pittsburgh, Pa.
- Hobson, John Allan, A.B. (*Wesleyan Univ.*) 1955. West Hartford, Conn.
- Jeanes, Lincoln Douglas, Jr., A.B. (*Univ. of Texas*) 1952. Dallas, Texas
- Kelley, Richard Roy, A.B. (*Stanford Univ.*) 1955. Honolulu, Hawaii
- Kinds, Herbert Eugene, A.B. (*Williams Coll.*) 1955. Cleveland, Ohio
- Kris, Anton Oscar, A.B. (*Yale Univ.*) 1955. Stamford, Conn.
- Lamb, Thomas Wade, A.B. (*Yale Univ.*) 1955. Grosse Pointe, Mich.
- Lampert, Nelson Robert, A.B. 1954. Minot, N. Dak.

- Leape, Lucian Leroy, Jr., A.B. (*Cornell Univ.*) 1952. Pittsburgh, Pa.
 Leeman, Cavin Philip, A.B. 1952. Nyack, N. Y.
 Lees, Robert Spencer, A.B. 1955. New York, N. Y.
 Lessow, Herbert, A.B. (*Wesleyan Univ.*) 1951. Hartford, Conn.
 Levey, Raphael Hertz, A.B. (*Princeton Univ.*) 1955. Princeton, N. J.
 Li, Ting-Kai, A.B. (*Northwestern Univ.*) 1955. Ciudad Trujillo, Dominican Republic
- Lindem, Martin Carl, Jr., A.B. (*Amherst Coll.*) 1955. Salt Lake City, Utah
 Livant, Judy, A.B. (*Swarthmore Coll.*) 1955. New York, N. Y.
 Mahan, John Herman, A.B. 1953. Follansbee, W. Va.
 Maltsberger, John Terry, 3d, A.B. (*Princeton Univ.*) 1955. Cotulla, Texas
 Marinkovich, Vincent Anthony, S.B. (*California Inst. of Technology*) 1955. San Pedro, Calif.
- Marks, Ira, S.B. (*Bethany Coll.*) 1955. Brooklyn, N. Y.
 McCully, Kilmer Serjus, A.B. 1955. Alexandria, Va.
 McPeck, Jack Bucknam, A.B. 1955. Little Rock, Ark.
 Merrifield, John Fenn, A.B. 1955. Wilmette, Ill.
 Messenger, Eli Charles, A.B. (*Lafayette Coll.*) 1955. Brooklyn, N. Y.
 Michelson, Ann Morris, A.B. (*Smith Coll.*) 1955. Brooklyn, N. Y.
 Moseley, Roger Victor, A.B. (*Princeton Univ.*) 1955. Urbana, Ill.
 Mundth, Eldred Dean, S.B. (*Yale Univ.*) 1955. Jamesville, Wis.
 Papanek, George Otto, A.B. (*Swarthmore Coll.*) 1953, A.M. (*Harvard Univ.*) 1955. New York, N. Y.
- Persky, Alan Donald, A.B. (*Princeton Univ.*) 1955. Jersey City, N. J.
 Pittman, Joseph Garretson, A.B. 1953. Orlando, Fla.
 Poutas, John David, A.B. 1955. Old Greenwich, Conn.
- Prichard, James William, A.B. (*Washington Univ.*) 1955. Independence, Mo.
 Rapoport, Stanley Isaac, A.B. (*Princeton Univ.*) 1954. Trenton, N. J.
 Raymond, George David, S.B. (*Univ. of Florida*) 1955. Daytona Beach, Fla.
 Reed, William Patrick, A.B. 1955. Washington, D. C.
 Reynolds, Stephen Leighton, A.B. 1955. Weston
 Rivlin, Richard Saul, A.B. 1955. Forest Hills, N. Y.
 Roach, John Jared, S.B. (*Allegheny Coll.*) 1955. Medina, N. Y.
 Robbins, Norman, A.B. (*Columbia Univ.*) 1955. Forest Hills, N. Y.
 Rodgers, John Barclay, Jr., A.B. (*Denison Univ.*) 1955. Chagrin Falls, Ohio
 Rosenthal, Jerome, A.B. (*Columbia Univ.*) 1955. Brooklyn, N. Y.
 Rowe, Kenneth Wyer, Jr., A.B. (*Carleton Coll.*) 1955. Glen Ellyn, Ill.
 Rush, David, A.B. 1955. Jamaica, N. Y.
- Ryan, James Warren, A.B. (*Montana State Univ.*) 1955. Anchorage, Alaska
 Sanderson, Richard George, A.B. (*Wesleyan Univ.*) 1955. Abington
 Sapir, Paul Edward, A.B. 1950, A.M. 1952. New Haven, Conn.
 Schildkraut, Joseph Jacob, A.B. 1955. Brooklyn, N. Y.
 Schneider, Peter Bernard, A.B. 1955. Brooklyn, N. Y.

Shepherd, Gordon Murray, s.B. (<i>Iowa State Coll.</i>) 1955.	Ames, Iowa
Sidd, James Jenson, A.B. 1955.	Brighton
Soltys, John Joseph, Jr., s.B. (<i>Univ. of Massachusetts</i>) 1953.	Holyoke
Spangler, Robert Alan, A.B. 1955.	Celina, Ohio
‡Spencer, Roger Felix (<i>Yale Coll.</i>)	Kew Gardens, N. Y.
Spievack, Alan Robert, A.B. (<i>Kenyon Coll.</i>) 1955.	Cincinnati, Ohio
Steinhauer, Bruce William, A.B. (<i>Amherst Coll.</i>) 1955.	Toledo, Ohio
Taube, Irvin, s.B. (<i>Tufts Coll.</i>) 1955.	Portsmouth, N. H.
Taylor, Leland Harris Graham, A.B. (<i>Stanford Univ.</i>) 1955.	Oakland, Calif.
Thompson, Edward Ivins Bradbridge, A.B. (<i>The Rice Institute</i>) 1955.	Houston, Texas
Thornton, Richard Rollin, A.B. (<i>State Univ. of Iowa</i>) 1955.	Council Bluffs, Iowa
Thron, Christopher Dennis, A.B. (<i>Dartmouth Coll.</i>) 1953, A.M. (<i>ibid.</i>) 1955.	Paterson, N. J.
Urquhart, John, 3d, A.B. (<i>The Rice Institute</i>) 1955.	Dallas, Texas
Vaillant, George Eman, A.B. 1955.	Bloomfield Hills, Mich.
Vesell, Elliot Saul, A.B. 1955.	New York, N. Y.
Wareham, Klella Joan, A.B. (<i>Scripps Coll.</i>) 1953.	Iowa City, Iowa
Welland, Frederick Hurd, A.B. (<i>Princeton Univ.</i>) 1955.	Minneapolis, Minn.
Williams, Harold Warren, Jr., s.B. (<i>Massachusetts Inst. of Technology</i>) 1955.	Hyannis
Zollinger, Robert Milton, Jr., A.B. 1955.	Columbus, Ohio
Zucker, Norman Howard, s.B. (<i>Western Reserve Univ.</i>) 1955.	Shaker Heights, Ohio
Zwilling, William Frederick, A.B. 1955.	New York, N. Y.

SUMMARY, 1955-1956

Fourth Year	154
Third Year	142
Second Year	116
First Year	117
Total	<hr/> 529

COLLEGES REPRESENTED

Alabama, University of	1	Missouri, University of	1
Albion College	1	Montana State University	1
Allegheny College	1	National Central University (China)	1
American College for Girls (Istanbul)	1	New Hampshire, University of	2
Amherst College	8	New School for Social Research	1
Antioch College	2	New York University	3
Arizona, University of	2	North Carolina, University of	1
Barnard College	3	North Dakota, University of	5
Bethany College	1	Northwestern University	1
Boise Jr. College	1	Notre Dame, University of	1
Boston College	3	Oberlin College	3
Boston University	1	Ohio State University	1
Bowdoin College	3	Oklahoma, University of	1
Brooklyn College	1	Oregon, University of	1
Brown University	6	Oxford, University of (England)	1
Bryn Mawr College	3	Park College	1
Buffalo, University of	1	Pennsylvania, University of	3
California Institute of Technology	1	Pomona College	1
California, University of	4	Princeton University	36
California, University of (at Los Angeles)	2	Queens College	1
Carleton College	4	Radcliffe College	9
Chicago, University of	4	Redlands, University of	1
Cincinnati, University of	1	Reed College	2
College of the City of New York	1	Rensselaer Polytechnic Institute	1
College of the Holy Cross	5	Rice Institute	2
College of Idaho	1	Rochester, University of	3
College of St. Thomas	1	Rutgers University	3
Columbia University	14	Sarah Lawrence College	1
Cornell University	7	Scripps College	1
Dartmouth College	29	Smith College	3
Davidson College	3	South Carolina, Medical College of	1
Denison University	2	Southern California, University of	1
Duke University	3	Southern Methodist University	1
Evelth Jr. College	1	Stanford University	7
Florida, University of	1	State Teachers College (Pa.)	1
George Washington University	1	Swarthmore College	3
Georgia Institute of Technology	1	Syracuse University	1
Grinnell College	1	Temple University	1
Hamilton College	4	Tennessee State College	1
Harvard University	170	Texas, University of	1
Haverford College	3	The Citadel	1
Hawaii, University of	1	The South, University of	1
Howard College	1	Tufts College	6
Illinois, University of	1	Tulane University	1
Indiana University	2	United States Naval Academy	1
Iowa State College	1	Vanderbilt University	3
Iowa, State University of	1	Vassar College	1
Iowa Wesleyan College	1	Wabash College	1
James Millikin University	1	Washington and Lee University	1
Johns Hopkins University	2	Washington University	2
Kansas, University of	1	Washington, University of	4
Kentucky, University of	1	Wellesley College	2
Kenyon College	1	Wesleyan University	10
Lafayette College	1	Western Reserve University	6
Lehigh University	1	Whitman College	1
Linfield College	1	Williams College	8
London, University of (England)	1	Wisconsin, University of	8
Luther College	1	Wuerzburg, University of (Germany)	1
Marquette University	1	Yale University	33
Masaryk University (Czechoslovakia)	1		
Massachusetts Institute of Technology	4	Total	549
Massachusetts, University of	1	Counted more than once	20
McGill University (Canada)	2		
Miami University (Ohio)	2	Total number of students	529
Michigan, University of	6	Entered advanced standing	68
Millsaps College	1	Number of colleges represented	128
Minnesota, University of	1	Number of college graduates	502
Mississippi State College	1	Number of non-graduates	27
Mississippi, University of	7		

MEDICAL AND DENTAL MEDICAL SCHOOLS REPRESENTED BY STUDENTS

WHO ENTERED SCHOOL WITH ADVANCED STANDING

Alabama, Medical College of	1	North Dakota, University of	6
Chicago, University of	1	Oxford, University of (England)	1
Colorado, University of	1	Pennsylvania, University of	1
Columbia University	1	South Carolina, Medical College of	1
Dartmouth College	22	Stanford University	1
Hahnemann Medical College	1	Temple University	1
Harvard School of Dental Medicine	9	Washington, University of	2
Indiana, University of	1	Wisconsin, University of	1
Iowa, State University of	2	Woman's Medical College of Pennsylvania	1
Masaryk University (Czechoslovakia)	1		
Medical College of Evangelists	1	Total	68
Minnesota, University of	1	Total number of students admitted to first	
Mississippi, University of	8	year standing	461
Missouri, University of	1		
National Central University (China)	1	Total	529
New York University	1		

SCHOOL OF DENTAL MEDICINE

ANNOUNCEMENT OF COURSES

DIVISION OF STUDIES

TOTAL NUMBER OF HOURS FOR EACH SUBJECT

FIRST YEAR		SECOND YEAR	
See		See	
Medical		Medical	
Curriculum		Curriculum	
THIRD YEAR		FOURTH YEAR	
	Hours Seminar and (or) Demonstration		Hours Seminar and (or) Demonstration
Dental morphology	32	Dental medicine (*)	48
Oral histology and pathology ..	32	Clinical clerkship in dental medicine, Massachusetts Gen- eral Hospital	132
Introduction to research in den- tal science	56	Oral diagnosis (*)	144
Dental medicine (*)	32	Operative dentistry (*)	12
Clinical clerkship in dental medicine, Massachusetts Gen- eral Hospital	14	Orthodontics (*)	38
Oral diagnosis (*)	96	Oral surgery (*)	32
Oral hygiene (*)	6	Pediatric dentistry, Children's Hospital (*)	33
Operative dentistry (*)	70	Complete denture prosthesis (*)	
Endodontics (*)	9	Removable partial prosthesis (*)	
Periodontics (*)	16	Fixed partial prosthesis (*)	55
Complete denture prosthesis (*)	47	Dental materia medica	16
Removable partial prosthesis ...	20	Student research project	60
Fixed partial prosthesis	5	Periodontics (*)	16
Oral surgery	8	Endodontics (*)	16
Radiology (*)	8	Lectures in general medicine (elective), Harvard Medical School	32
Orthodontics (*)	58	Radiology (*)	12
Dental public health	24	Practice management and den- tal jurisprudence	6
Nutrition	8	Seminars	30
Student research project	30	General clinic	496
Pediatric dentistry (*)	12		
Seminars	30		
General clinic	565		
Total	1178	Total	1178

(*) These subjects are also covered in general clinic for an indefinite number of hours.

The tabulated hours above indicate the approximate allotment of time for the third and fourth academic years in the School of Dental Medicine.

The heading general clinic consists of clinical practice in dental medicine, orthodontics, prosthetic dentistry, oral surgery, radiology, periodontics and operative dentistry including oral diagnosis, oral hygiene, endodontics and pediatric dentistry.

As the entering classes are limited, it is possible to reduce the time usually involved in courses of dental techniques. Individual instruction, demonstrations, seminars and conferences replace the traditional lecture system to a large degree.

ORAL HISTOLOGY AND PATHOLOGY

REIDAR F. SOGNAES, PH.D., D.M.D., *Charles A. Brackett Professor of Oral Pathology and Associate Dean.*

JOHN T. ALBRIGHT, D.D.S., *Research Associate in Oral Pathology.*

PAUL GOLDBERGER, D.D.S., *Research Associate in Oral Pathology.*

PETER K. YEN, D.M.D., *Assistant in Oral Pathology.*

Oral Histology and Pathology — 3rd and 4th years.

The teaching in the third year begins with a microscopic laboratory course and a series of discussions devoted to the histology and pathology of the tissues of the oral cavity and is augmented in the third and fourth years by the clinical teaching staff through many activities in the clinic and in the hospitals.

DENTAL ANATOMY

MYRON J. VAN LEEUWEN, D.D.S., *Assistant Professor of Operative Dentistry and Director of Clinic.*

Dental Anatomy — 1st semester 3rd year.

Instruction in dental anatomy and tooth morphology. Special emphasis is placed on individual tooth form and the relationship of the tooth to adjacent teeth, opposing teeth and supporting tissue. Technique practice in reproduction of tooth form is stressed using natural extracted teeth.

RADIOLOGY

HERMAN DEWILDE, M.D., D.M.D., *Clinical Associate in Oral Surgery.*

Radiology — 3rd and 4th years.

Principles of applied roentgenology and the interpretation of radiographs are covered in the third year, with consideration of the electro-physical basis of roentgenology in the fourth year. Practice in radiological technique is given in both years.

OPERATIVE DENTISTRY

G. EARL THOMPSON, D.M.D., *Associate Clinical Professor of Operative Dentistry.*

MYRON J. VAN LEEUWEN, D.D.S., *Assistant Professor of Operative Dentistry and Director of Clinic.*

JOHN V. BLASI, D.M.D., *Clinical Associate in Operative Dentistry.*

JAMES W. ETHERINGTON, D.M.D., *Clinical Associate in Operative Dentistry.*

GERALD L. O'NEILL, D.M.D., *Clinical Associate in Operative Dentistry.*

CHARLES L. BOYERS, JR., D.M.D., *Instructor in Pediatric Dentistry.*

C. KENNETH LASHER, D.M.D., *Instructor in Operative Dentistry.*

ABRAHAM SCHWARTZ, D.M.D., *Instructor in Operative Dentistry.*

ERNEST E. ADAMS, D.M.D., *Assistant in Operative Dentistry.*

PHILIP S. GORDON, D.M.D., *Assistant in Operative Dentistry.*

Operative Dentistry — 3rd and 4th years.

Early student-patient contact and immediate clinical application of learned technical procedures are emphasized. In the third year instruction is given in oral hygiene, accepted methods of dental prophylaxis and technique of cavity preparation in conjunction with a study of the various types of restorative materials.

In the fourth year gold foil technique is given, and clinical practice in all phases of operative procedure is continued.

PROSTHETIC DENTISTRY

ARTHUR M. MALONEY, D.M.D., *Associate Professor of Prosthetic Dentistry.*

JOSEPH P. JAZOWSKI, D.M.D., *Assistant Clinical Professor of Prosthetic Dentistry.*

HAROLD L. EHRLICH, D.M.D., *Clinical Associate in Prosthetic Dentistry.*

DAVID J. FARRELL, D.M.D., *Clinical Associate in Prosthetic Dentistry.*

DOUGLAS A. ATWOOD, M.D., D.M.D., *Instructor in Prosthetic Dentistry.*

HERBERT BERMAN, D.M.D., *Instructor in Prosthetic Dentistry.*

ROY L. MCINTOSH, D.M.D., *Instructor in Prosthetic Dentistry.*

EMILE C. A. SAMAHA, D.M.D., *Instructor in Prosthetic Dentistry.*

HAROLD S. GOLD, D.M.D., *Assistant in Prosthetic Dentistry.*

Prosthetic Dentistry — 3rd and 4th years.

Prosthetic dentistry which includes complete, fixed and removable prosthesis is taught in the third and fourth years. Through lectures, conferences and demonstrations the student receives clinical and laboratory instruction in the anatomy and physiology of the mouth as it applies to prosthetic dentistry, and in the materials and techniques of prosthetic restoration directed

toward oral health, function and aesthetics. Every effort is made to provide early clinic contacts and to teach technique on clinic cases. The high teacher-student ratio, small classes and special physical facilities favor this type of instruction.

Complete Denture Prosthesis—Dr. MALONEY and Staff.

3rd Year

Lectures, clinical and laboratory demonstrations and clinical practice.

4th Year

Lectures and clinical practice.

Removable Partial Prosthesis—Dr. MALONEY and Staff.

3rd Year

Lectures, clinical and laboratory demonstrations.

4th Year

Lectures and clinical practice.

Fixed Partial Prosthesis—Dr. JAZOWSKI and Staff.

4th Year

Lectures, clinical and laboratory demonstrations and clinical practice.

STOMATOLOGY

DAVID WEISBERGER, D.M.D., M.D., *Professor of Dental Medicine and Chief of the Dental Department at the Massachusetts General Hospital.*

HENRY D. EPSTEIN, D.M.D., *Instructor in Dental Medicine.*

OWEN W. KITE, D.M.D., *Assistant in Dental Medicine.*

NORMAN TRIEGER, D.M.D., *Research Fellow in Dental Medicine.*

LESLIE M. OHMART, PH.G., PH.C., *Lecturer on Dental Medicine.*

Dental Medicine—3rd and 4th years.

A course devoted to the diagnosis and treatment of oral diseases, i.e., diseases of the periodontium, dental pulp, oral mucosa and other oral structures together with their correlation to systemic conditions. Lectures, seminars, clinical practice and observation both in the Dental Infirmary and at the Massachusetts General Hospital.

Infirmary procedures, identification of oral structures, methods of oral examination, history taking, and common methods of diagnosis for dental and oral disease are given in both years, supplemented by practice in the general clinic.

Periodontics — 3rd and 4th years.

Emphasis is placed on the recognition and correction of systemic factors contributing to diseases of the supporting structures of the teeth.

Various methods in local treatment are taught and applied in the clinic. The care of the entire patient is stressed.

Dental Materia Medica — 2nd semester 4th year.

Specific consideration of dental problems and development of formulary for clinical dentistry, in addition to coverage of practical therapeutic problems in the general clinic.

ORAL SURGERY

DAVID WEISBERGER, D.M.D., M.D., *Professor of Dental Medicine and Chief of the Dental Department at the Massachusetts General Hospital.*

HERMAN DEWILDE, M.D., D.M.D., *Clinical Associate in Oral Surgery.*

GEORGE CHRISTMAN, D.M.D., *Instructor in Oral Surgery.*

WALTER C. GURALNICK, D.M.D., *Instructor in Oral Surgery.*

RICHARD L. MINER, D.D.S., *Instructor in Oral Surgery.*

ROBERT C. LINCOLN, D.M.D., *Assistant in Oral Surgery.*

Oral Surgery — 3rd and 4th years.

The students are taught through lectures and seminars the principles of surgery as applied to exodontia, minor oral surgery, maxillo-facial surgery and fractures and anaesthesia.

Individual clinical instruction in exodontia, minor oral surgery and anaesthesia is given at the Dental Infirmary.

In the fourth year students are assigned to the Massachusetts General Hospital as clinical clerks on the Dental Service. At the hospital more extensive surgery of the oral cavity including traumatic injuries to the face and jaws is observed. The student takes active part in the study and treatment of such cases.

PEDIATRIC DENTISTRY

PAUL K. LOSCH, D.D.S., *Associate Professor of Pediatric Dentistry at the Children's Hospital.*

EDWARD I. SILVER, D.M.D., *Lecturer on Orthodontics.*

CHARLES L. BOYERS, JR., D.M.D., *Instructor in Pediatric Dentistry.*

Affiliated:

SIDNEY FARBER, M.D., *Professor of Pathology at the Children's Hospital.*

ROBERT E. GROSS, M.D., D.Sc. (hon.), *William E. Ladd Professor of Child Surgery.*

CHARLES A. JANEWAY, M.D., *Thomas Morgan Rotch Professor of Pediatrics.*
EDWARD B. D. NEUHAUSER, M.D., *Associate Clinical Professor of Radiology.*

Pediatric Dentistry — 3rd and 4th years.

Those phases of operative dentistry, oral hygiene, and orthodontics applicable to young children are carried on in the general clinic in the Dental Building. Special lectures are given in the third year. A course in dental pediatrics given in the fourth year is designed to cover those phases of systemic and oral disease best seen under hospital conditions and is conducted at the Children's Hospital. Operative work is performed only for those children admitted to the Hospital. Cases involving systemic sequelae of dental disease and oral manifestations of systemic disease receive especial consideration. Students attend regular hospital conferences in surgery, clinical pathology, roentgenology and medicine. Medical and dental ward rounds are made.

ORTHODONTICS

MELVIN I. COHEN, D.M.D., *Clinical Associate in Orthodontics.*

LENNARD T. SWANSON, D.M.D., *Instructor in Orthodontics.*

JULIAN M. ROTHBLATT, D.M.D., *Instructor in Orthodontics.*

Orthodontics — 3rd and 4th years.

Clinical instruction consists in the observation of developing dentures, the use of preventive measures and the use of selected orthodontic treatment procedures by each student. Emphasis is placed on the development of sound clinical judgment as a basis for the selection and care of orthodontic patients within the scope of general practice. Opportunity is provided for experience beyond the required minimum for those students with special interest and ability. Discussions and demonstrations supplement the work of the clinic. Observation of a great variety of orthodontic treatments is provided at the Children's Medical Center.

ENDODONTICS

GERALD L. O'NEILL, D.M.D., *Clinical Associate in Operative Dentistry.*

Endodontics — 3rd and 4th years.

In the third year the clinical and pathological presentation of pulpapical disease is integrated with the teaching of oral pathology. In this manner the student achieves an early appreciation of the pathological course of events and the clinical symptoms which necessitate endodontic therapy.

In the fourth year diagnostic conferences and clinical experience involving

conservative pulp canal therapy round out the student's introduction to the field.

DENTAL RESEARCH

ROY O. GREEP, PH.D., *Professor of Anatomy in the School of Dental Medicine.*

PAUL L. MUNSON, PH.D., *Associate Professor of Pharmacology in the School of Dental Medicine and Tutor in Preclinical Sciences.*

PHILIP F. HIRSCH, PH.D., *Instructor in Pharmacology in the School of Dental Medicine.*

ERNST H. BEUTNER, PH.D., *Research Associate in Pharmacology in the School of Dental Medicine.*

LIONEL W. BRYER, B.D.S., *Research Fellow in Dental Medicine.*

SVEIN U. TOVERUD, D.M.D., *Research Fellow in Pharmacology in the School of Dental Medicine.*

RICHARD C. WOLF, PH.D., *Milton Research Fellow in Dental Medicine.*

REIDAR F. SOGNAES, PH.D., D.M.D., *Charles A. Brackett Professor of Oral Pathology.*

DAVID WEISBERGER, D.M.D., M.D., *Professor of Dental Medicine.*

JAMES H. SHAW, PH.D., *Associate Professor of Biological Chemistry in the School of Dental Medicine.*

Introduction to Dental Research — 1st semester 3rd year.

A series of ten or more one-hour lectures on specific research projects available for student participation in the research laboratories of the School of Dental Medicine.

Research Project — 3rd and 4th years.

In order to gain a more realistic appreciation of the nature of scientific research, all students of the Harvard School of Dental Medicine participate in a laboratory or clinical investigation of their own choosing. By the end of the first semester of the third year, after completion of the course, *Introduction to Dental Research*, the student has chosen a research supervisor from the faculty and the subject to be investigated. He has also presented his working plan in a seminar. During the rest of the third year, and in some cases during the summer months he attempts to master the techniques necessary for his work. During the fourth year, with the aid of a faculty research supervisor, the project is carried forward, and at the end of the year, the student presents a seminar summarizing his results. Both the third and fourth year seminars are also required in written form for permanent reference in the Library.

Seminar — 3rd and 4th years.

A seminar comprising a review of the basic literature and a plan for a research project is presented by each third-year student at the end of the first semester. A second seminar summarizing the results of the research project is presented by each fourth-year student late in the second semester. During the balance of the year seminars on selected topics related to dental and medical sciences, dental medicine, and the practice of dental specialties are presented by members of the medical and dental faculties and visiting scholars.

NUTRITION

JAMES H. SHAW, PH.D., *Associate Professor of Biological Chemistry in the School of Dental Medicine.*

AINA M. AUSKAPS, D.D.S., D.M.D., *Instructor in Dental Medicine.*

NORMAN P. WILLETT, PH.D., *Assistant in Dental Medicine.*

Nutrition — 1st and 2nd semesters 3rd year.

Discussion of relations of nutrition to the development, maturation and maintenance of the oral tissues. Discussion of nutritional requirements, relative values of various foods and the preparation of diet histories. Clinic practice in the evaluation of diet histories and in the development of suitable recommendations for the patient.

DENTAL PUBLIC HEALTH

JAMES M. DUNNING, D.D.S., M.P.H., *Lecturer on Dental Public Health.*

HOWARD M. MARJERISON, D.M.D., S.D. (hon.), *Lecturer on Pediatric Dentistry.* (Died September 4, 1955.)

Affiliated:

JOHN E. GORDON, M.D., *Professor of Preventive Medicine and Epidemiology, S.P.H.*

DAVID D. RUTSTEIN, M.D., *Professor of Preventive Medicine.*

HAROLD C. STUART, M.D., *Professor of Maternal and Child Health, S.P.H.*

FRANZ GOLDMANN, M.D., *Associate Professor of Medical Care.*

W. FRED MAYES, M.D., M.P.H., *Associate Professor of Public Health Practice, S.P.H.*

Dental Public Health — 3rd year.

Public Health principles and practices with emphasis on the participation of the dentist. Elements of biostatistics and epidemiology. Lectures, seminars and field work.

DENTAL PRACTICE MANAGEMENT

JAMES M. DUNNING, D.D.S., M.P.H., *Lecturer on Dental Public Health.*

Affiliated:

RICHARD FORD, M.D., *Assistant Professor of Legal Medicine.*

Dental Practice Management — 2nd semester 4th year.

Lectures and seminars on practice management, ethics and jurisprudence.

SCHOOL OF DENTAL MEDICINE

ON JUNE 16, 1955, FOURTEEN DEGREES WERE CONFERRED AS FOLLOWS:

D.M.D.

- | | |
|--|-------------------|
| Arons, Marvin Shield, B.S. (<i>Yale Univ.</i>) 1952. | Ansonia, Conn. |
| *Auskaps, Aina Marija, B.A. (<i>Riga Univ.</i> , Latvia) 1940, [D.D.S., <i>Dental School of Munich</i> , Germany, 1945]. | Jamaica Plain |
| Berry, David Victor, A.B. 1949. | Brookline |
| Flack, Stuart, A.B. (<i>Cornell Univ.</i>) 1948, S.M. (<i>ibid.</i>) 1949. | Utica, N. Y. |
| Liffmann, Kenneth Emil, A.B. (<i>Brown Univ.</i>) 1951. | Providence, R. I. |
| °Meierovics, Aina M. (<i>Univ. of Latvia Medical School</i>), [D.D.S., <i>Univ. of Hamburg Dental School</i> , Germany, 1946]. | Washington, D. C. |
| Minkoff, Robert, A.B. (<i>Cornell Univ.</i>) 1951. | Albany, N. Y. |
| ‡Nichols, Martin Stanley (<i>Yale Coll.</i>). | Brooklyn, N. Y. |
| Stolman, Joseph Morris, A.B. (<i>Univ. of Connecticut</i>) 1951. | Baltic, Conn. |
| §Stoops, Ward Robert, B.S. (<i>Antioch Coll.</i>) 1952. | Nappanee, Ind. |
| Toomey, James Michael, S.B. (<i>Coll. of the Holy Cross</i>) 1951. | Springfield |

D.M.D. cum Laude

- | | |
|--|-----------------|
| Apfel, Donald Arthur, A.B. (<i>Tufts Coll.</i>) 1951. | Brooklyn, N. Y. |
| Ferri, John Joseph, A.B. (<i>Williams Coll.</i>) 1951. | Springfield |
| Gold, Harold Samuel, A.B. (<i>Brown Univ.</i>) 1951. | Denville, N. J. |

Fourth Class

- | | |
|--|------------------------|
| Burdette, Hugh, B.S. (<i>Univ. of Alabama</i>) 1953. | Beckley, W. Va. |
| Cohen, Sumner, A.B. 1952. | Chelsea |
| Edelstein, Richard Alan, A.B. 1952. | Brooklyn, N. Y. |
| Halperin, Alex Harris, B.Sc. (<i>McGill Univ.</i>) 1951, M.Sc. (<i>ibid.</i>) 1952. | Montreal, P.Q., Canada |
| Hausmann, Ernest, A.B. (<i>New York Univ.</i>) 1951. | Boston |
| Matusow, Robert Jacques, A.B. (<i>Rutgers Univ.</i>) 1944, S.M. (<i>Univ. of Michigan</i>) 1950. | Ann Arbor, Mich. |
| McQueen, Thomas Hugh, S.B. (<i>Pennsylvania State Coll.</i>) 1952. | Mifflinburg, Pa. |
| Oaks, James Howard, A.B. (<i>Wesleyan Univ.</i>) 1952. | Collingswood, N. J. |
| Sade, Elenore Ruth, S.B. (<i>Simmons Coll.</i>) 1952. | Concord |

* Transferred to third year class.

° Transferred to second year class.

‡ Admitted on basis of three years' college work.

§ Admitted on basis of four years' college work.

- ‡Ship, Irwin (*Columbia Univ. College of Pharmacy*). New York, N. Y.
 ‡Stern, Martin (*Utica Coll. of Syracuse Univ.*). Utica, N. Y.
 Wells, Herbert, A.B. (*Yale Univ.*) 1952. New Haven, Conn.
 Wyshak, George Habeeb, A.B. 1947, A.M. (*Boston Univ.*) 1949, PH.D. (*Univ. of California*) 1952. Chestnut Hill

Third Class

- Budde, Norman Thomas, B.A. (*New York Univ.*) 1952. New Hyde Park, N. Y.
 ‡Cushing, Charles Richmond (*Univ. of Maine*). Bangor, Maine
 Grossman, Richard Charles, B.A. (*Univ. of California at Los Angeles*) 1953. Los Angeles, Calif.
 Hall, Hugh David, B.S. (*Univ. of Oklahoma*) 1953. Oklahoma City, Okla.
 Kaye, Harold, A.B. (*Yale Univ.*) 1953. New Haven, Conn.
 Kochanowsky, Lester, B.S. (*Teachers Coll. of Connecticut*) 1943, M.A. (*Trinity Coll.*) 1951. New Britain, Conn.
 Korchek, David Lee, B.A. (*Univ. of California at Los Angeles*) 1951, M.A. (*ibid.*) 1953. Los Angeles, Calif.
 *Laufer, Max [D.D.S., *Univ. of Munich Dental School*, Germany, 1932.] Watertown
 McGeown, John Roland, B.S. (*Fordham Univ.*) 1953. Teaneck, N. J.
 Pross, Arnold, A.B. (*Columbia Univ.*) 1954. Bronx, N. Y.
 Rosenberg, Earle Harold, A.B. 1951, A.M. (*Boston Univ.*) 1953. Cambridge
 Rubin, Ronald Philip, A.B. 1953. Gloversville, N. Y.
 Saxe, Stanley Richard, A.B. (*Boston Univ.*) 1953. Malden
 Toy, Benjamin Leon, A.B. 1948. Boston
 Zackin, Susman Jerome, B.A. (*Wesleyan Univ.*) 1953. Waterbury, Conn.

Second Class

- Ash, Homer Lee, B.S. (*Univ. of Illinois*) 1951. Huntington, W. Va.
 Cohen, Carl Greenfield, A.B. (*Univ. of California at Los Angeles*) 1954. Far Rockaway, N. Y.
 Gold, Bernard Donald, A.B. (*New York Univ.*) 1952. Brooklyn, N. Y.
 Goldberg, Morton Harold, B.S. (*Univ. of Massachusetts*) 1954. Springfield
 Keller, Andrew Zellus, B.S. (*Morehouse Coll.*) 1949. Chattanooga, Tenn.
 Leach, Leon Benjamin, A.B. (*Brown Univ.*) 1952, M.S. (*Univ. of Rhode Island*) 1954. Providence, R. I.
 Nalbandian, John, A.B. (*Brown Univ.*) 1954. Cranston, R. I.
 Oakley, Joseph Carter, A.B. 1954. Bardstown, Ky
 ‡Safian, Nathan Abram (*Richmond Coll.*). Portsmouth, Va
 Schumer, Sheldon, B.A. (*Brooklyn Coll.*) 1951. Brooklyn, N. Y.

‡Stempien, James Henry, s.B. (<i>Yale Univ.</i>) 1955.	<i>New Britain, Conn.</i>
Tingey, William Horne, Jr., B.S. (<i>Univ. of Utah</i>) 1952.	<i>Salt Lake City, Utah</i>
Trabitz, Barry David, B.S. (<i>Purdue Univ.</i>) 1954.	<i>Brooklyn, N. Y.</i>

First Class

Bauer, Peter William, B.A. (<i>Yale Univ.</i>) 1955.	<i>New Britain, Conn.</i>
Dana, Philip Irwin, A.B. (<i>Boston Univ.</i>) 1955.	<i>Chestnut Hill</i>
Dewan, Otis Kyron, Jr., A.B. 1955.	<i>Whitesboro, N. Y.</i>
Douglas, Joel Paul, B.S. (<i>Univ. of Massachusetts</i>) 1955.	<i>Haverhill</i>
Farbman, Albert Irving, A.B. 1955.	<i>Revere</i>
Genua, Vincent Loreto, A.B. (<i>Brown Univ.</i>) 1955.	<i>Waterbury, Conn.</i>
Gerber, Edward Michael, A.B. (<i>Boston Univ.</i>) 1954, A.M. (<i>ibid.</i>) 1955.	<i>Boston</i>
Giddon, Donald Bernard, A.B. (<i>Brown Univ.</i>) 1952, A.M. (<i>Boston Univ.</i>) 1953.	<i>Chestnut Hill</i>
Hain, James Neil, A.B. 1955.	<i>Dorchester</i>
‡Hoover, Terrence David (<i>Franklin and Marshall Coll.</i>)	<i>York, Pa.</i>
Kaplan, Samuel, B.M.E. (<i>City Coll. of New York</i>) 1950.	<i>Bronx, N. Y.</i>
Maldonado, Alfred Anthony, B.S. (<i>Brooklyn Coll.</i>) 1954.	<i>Brooklyn, N. Y.</i>
Prescott, Marvin Arthur, A.B. 1955.	<i>Newport, R. I.</i>
Seifert, Donald Max, A.B. (<i>Brown Univ.</i>) 1955.	<i>Bethel, Conn.</i>
Shulman, Leonard Burton, A.B. 1955.	<i>Brighton</i>
Stern, Butt Donald, B.A. (<i>New York Univ.</i>) 1955.	<i>Flushing, N. Y.</i>

SUMMARY 1955-56

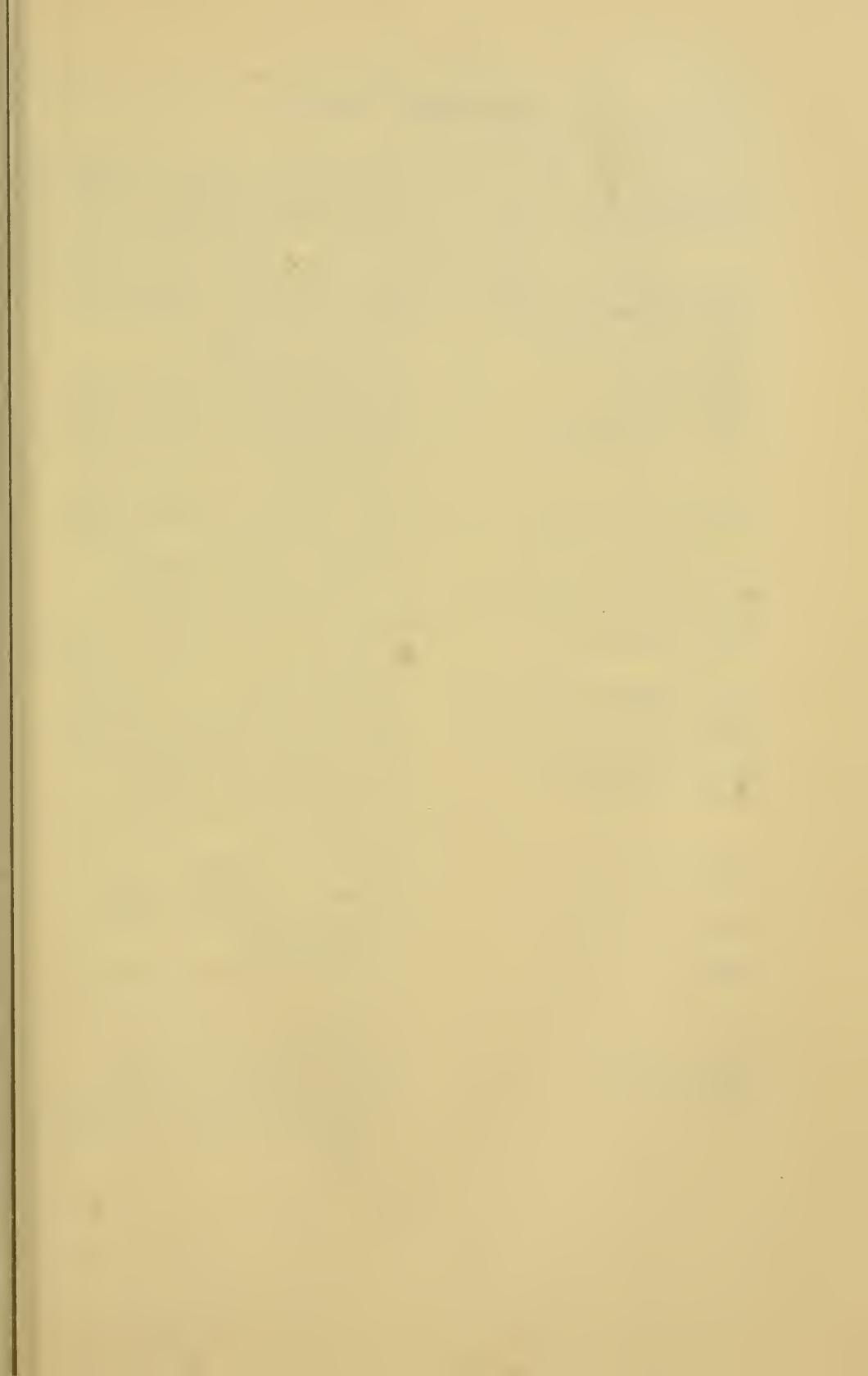
Fourth Class	13
Third Class	15
Second Class	13
First Class	16
Total	<hr/> 57

COLLEGES REPRESENTED

Alabama, University of	1
Boston University	6
Brooklyn College	2
Brown University	5
California, University of	1
California, University of (at Los Angeles)	3
City College of New York	1
Columbia University	2
Fordham University	1
Franklin and Marshall College	1
Harvard University	10
Illinois, University of	1
Maine, University of	1
Massachusetts, University of	2
McGill University	1
Michigan, University of	1
Morehouse College	1
New York University	4
Oklahoma, University of	1
Pennsylvania State College	1
Purdue University	1
Rhode Island, University of	1
Richmond College	1
Rutgers University	1
Simmons College	1
Teachers College of Connecticut	1
Trinity College	1
Utah, University of	1
Utica College of Syracuse University	1
Wesleyan University	2
West Virginia Wesleyan College	1
Yale University	4
Total	62
Counted more than once	5
Total number of students	57

DENTAL SCHOOLS REPRESENTED

University of Munich (Germany)	1
Entered advanced standing	1
Number of colleges represented	32
Number of dental schools represented	1
Number of college graduates	52
Number of non-graduates	5



PROFESSORS EMERITI

JAMES B. AYER, M.D.

J. LEWIS BREMER, M.D.

DAVID CHEEVER, M.D.

STANLEY COBB, M.D.

BRONSON CROTHERS, M.D.

ALEXANDER FORBES, M.D.

JAMES L. GAMBLE, M.D.

WORTH HALE, M.D.

PARKER HEATH, M.D.

WILLIAM A. HINTON, M.D.

GEORGE W. HOLMES, M.D.

FREDERICK C. IRVING, M.D.

A. LEROY JOHNSON, D.M.D.

ELLIOTT P. JOSLIN, M.D.

VARAZTAD H. KAZANJIAN, D.M.D., M.D.

WILLIAM E. LADD, M.D.

WILLIAM GORDON LENNOX, M.D.

J. HOWARD MEANS, M.D.

LEROY M. S. MINER, D.M.D., M.D.

CHARLES G. MIXTER, M.D.

FRANK R. OBER, M.D.

ROBERT B. OSGOOD, M.D.

FREDERICK F. RUSSELL, M.D.

GEORGE C. SHATTUCK, M.D.

RICHARD M. SMITH, M.D.

FRITZ B. TALBOT, M.D.

KURT H. THOMA, D.M.D.

James Jackson Putnam Professor of
Neurology

Hersey Professor of Anatomy

Associate Professor of Surgery (died
August 13, 1955)

Bullard Professor of Neuropathology
Clinical Professor of Pediatrics

Professor of Physiology

Professor of Pediatrics

Associate Professor of Pharmacology

Clinical Professor of Ophthalmology

Clinical Professor of Bacteriology and
Immunology

Clinical Professor of Roentgenology

William Lambert Richardson Profes-
sor of Obstetrics

Professor of Clinical Dentistry

Clinical Professor of Medicine

Professor of Plastic Surgery

William E. Ladd Professor of Child
Surgery

Associate Professor of Neurology

Jackson Professor of Clinical Medicine

Professor of Clinical Oral Surgery

Clinical Professor of Surgery

John B. and Buckminster Brown Clin-
ical Professor of Orthopaedic Sur-
gery

John B. and Buckminster Brown Pro-
fessor of Orthopaedic Surgery

Professor of Preventive Medicine and
Epidemiology

Clinical Professor of Tropical Medi-
cine

Thomas Morgan Rotch Professor of
Pediatrics

Clinical Professor of Pediatrics

Professor of Oral Surgery and Charles
A. Brackett Professor of Oral Pa-
thology

ERNEST E. TYZZER, M.D.

George Fabyan Professor of Comparative Pathology and Professor of Tropical Medicine

FREDERICK H. VERHOEFF, M.D.

Professor of Ophthalmic Research

D. HAROLD WALKER, M.D.

Walter Augustus Lecompte Professor of Otology

IRVING J. WALKER, M.D.

Clinical Professor of Surgery

CHARLES J. WHITE, M.D.

Edward Wigglesworth Professor of Dermatology

TEACHING STAFF

1955-56

Members of the Faculty of Medicine are indicated by heavy-face type.

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* SPH Faculty.

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Berezin, M. A.	83	Bower, W. H.	85
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* SPH Faculty.

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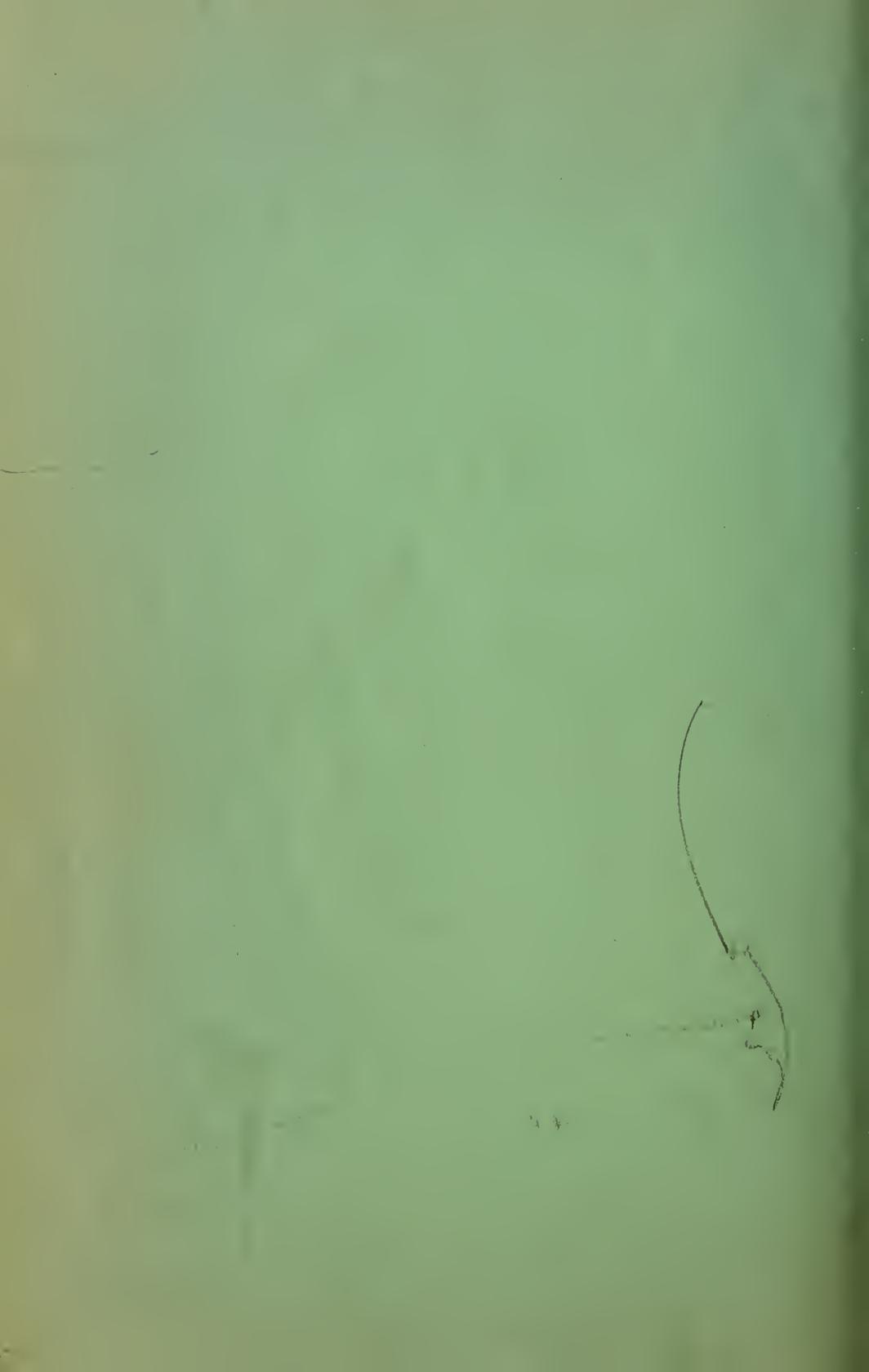
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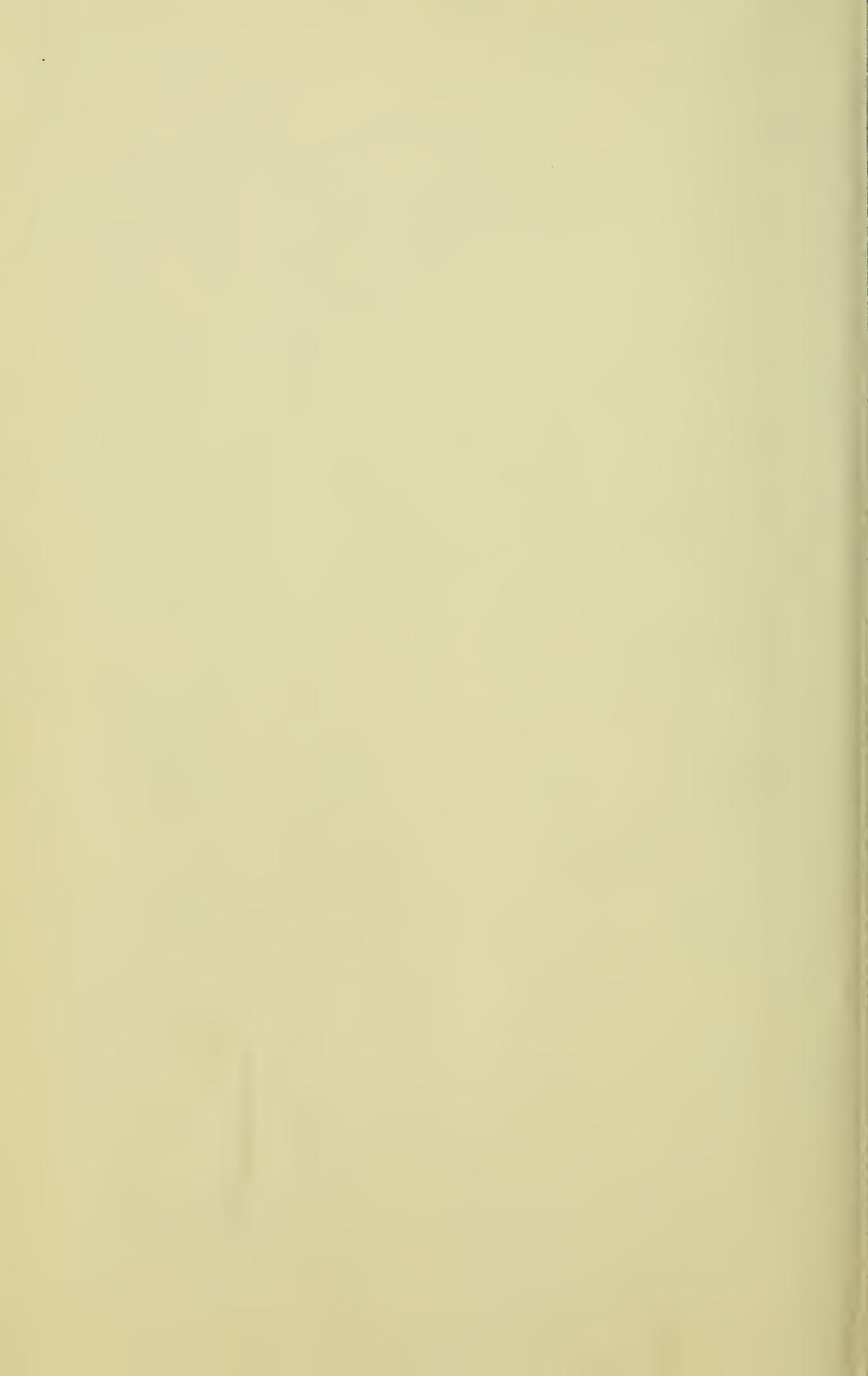
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